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Economic and Systematic Survey

Economic Collections

Rec'd MAR 17 1930

U.S. DEPT. OF AGRICULTURE

MAR 16 1930

Accession

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FORBES SEEDS

for 1930

FREE DELIVERY

We make prompt delivery of fertilizers, lawn grass seed, insecticides, and other materials offered, without additional charge, to points within our suburban delivery area, as below.

Arlington	Glen Ridge	Nutley
Belleville	Harrison	Orange
Bloomfield	Hillside	Plainfield
Caldwell	Hilton	Pleasantdale
Cedar Grove	Irvington	Roseland
Chatham	Kearny	Roselle
Convent Sta.	Kenilworth	Roselle Park
Cranford	Madison	Scotch Plains
Delawanna	Maplewood	Short Hills
East Newark	Milburn	South Orange
East Orange	Montclair	Springfield
Elizabeth	Morristown	Summit
Elmora	Netherwood	Union
Essex Fells	Newark	Upper Montclair
Fanwood	North Arlington	Verona
Florham Park	Northfield	Westfield
Garwood	North Plainfield	West Orange

Our telephone order service finds great favor with thousands of our customers. We gladly give courteous, intelligent advice on your gardening problems and offer as prompt, efficient service in receiving orders as can be had through a personal call at our store.

Call Market 8710

ORDER BY PHONE

See page 2 for new Store Location

Forbes Seeds

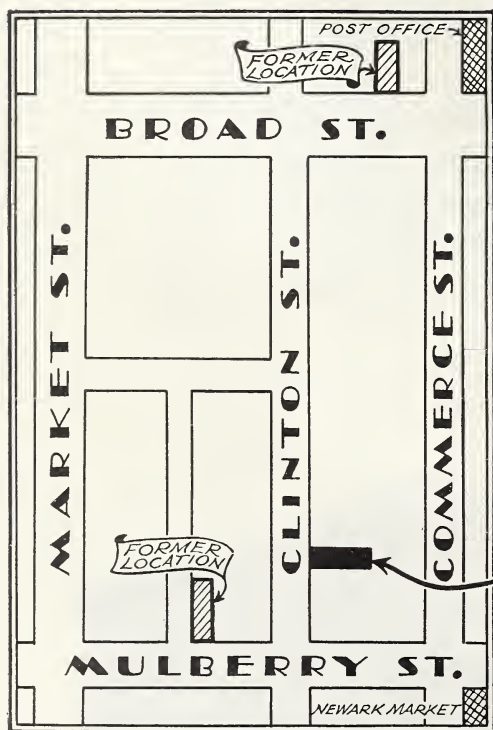
for your Flowers
your Vegetables
your Lawn
your Farm

Summer-flowering Bulbs
Perennial Plants ' Hedges
Roses ' Flowering Shrubs
Evergreens ' Books ' Tools
Insecticides ' Fertilizers



ALEXANDER FORBES & CO.
44 Clinton Street, Newark, N. J.

Now at 44 Clinton Street



Our New Store Location

at 44 Clinton Street, is easily reached from either Broad, Market or Mulberry Streets. Our former stores on Broad Street and on Mulberry Street have been discontinued.

FORBES Seeds, Bulbs, and Plants are offered this year in one catalogue instead of in several as in the past year. They are all of that high quality which has made the name Forbes the standard of excellence with market gardeners, private growers, and amateurs throughout the nation for the past 31 years.

At Forbes Garden Store you will find speedy, intelligent attention to your wants, dependable advice on garden problems, prompt delivery and efficient telephone service.

Forbes Lawn Grass Seed for Every Purpose

The best in seeds and care is essential to have a fine lawn. Forbes quality, known the country over, has set a high lawn standard, and Forbes service is at your disposal. Our free booklet, "Lawns of Lasting Beauty," may help you.

Many grades of lawn grass seeds of greatly varying qualities are offered for sale each year. Unfortunately, many of these contain seeds of worthless character, chaff, and weed seeds. Usually, the price indicates the actual lawn value, but often a single variety or a blend of two grasses is sold as lawn seed.

The best lawn is produced from a mixture of several natural grasses. To be of greatest lawn value, these grasses must be properly proportioned in the mixture so that there is enough of each grass to serve its specific purpose in the subsequent growth of the lawn.

The mixtures we offer on this and the two following pages, are made up from special formulæ. These are the result of years of experiment and of practical tests. Each mixture will produce a turf ideally suited to each purpose.

Curb Lawn Grass Seed Mixture

It is often difficult to maintain a satisfactory lawn on the area between the sidewalk and curb. Specially prepared for that area, this mixture will grow a good lawn where others fail. It contains grasses which thrive naturally in dry and partially shaded situations. Use 1 lb. for 200 sq. ft. Lb. 60 cts.; 2 lbs. \$1.10; 5 lbs. \$2.50, delivered.



Seashore Lawn Grass Seed Mixture

Made specially for very sandy soils. Many successful lawns along the Jersey seashore have been made possible only by the use of this mixture. $\frac{1}{2}$ lb. 35 cts.; lb. 60 cts; 2 lbs. \$1.10; 5 lbs. \$2.50; 10 lbs. \$4.75; 25 lbs. \$11.50; 100 lbs. \$45, delivered.

We also offer Lawn Grass Seed Mixture for Poor or Sandy Soils prepared according to Formula No. 4 recommended by the N. J. Agricultural Experiment Station. Price on application.



Shady Place Lawn Grass Seed

It is difficult to grow grass in the shade and under trees because the trees use up nearly all the food and moisture in the soil. This mixture will thrive better than any other and is the best possible for under trees. Water frequently until the grass has made a good start. $\frac{1}{2}$ lb. 40 cts.; lb. 75 cts.; 2 lbs. \$1.40; 5 lbs. \$3.25; 10 lbs. \$6; 25 lbs. \$14; 100 lbs. \$55, delivered.



Terrace Lawn Grass Seed

The grasses used for a sloping bank or terrace must have such roots as will withstand the washing caused by heavy rains. This mixture forms a network of densely matted roots of deep-rooting character. These deep roots will better withstand drought during the summer as they reach down below the surface dryness. After seeding, cover with a little soil and firm down to keep from washing out. $\frac{1}{2}$ lb. 40 cts.; lb. 75 cts.; 2 lbs. \$1.40; 5 lbs. \$3.25; 10 lbs. \$6; 25 lbs. \$14, delivered.

Home Putting-Green Seed

Many golf enthusiasts have devoted a part of the lawn to a home putting-green and at moderate expense. We have prepared this mixture specially for this purpose. We use the very finest grasses including genuine German Creeping Bent. A putting-green requires care. 15 lbs. will seed a green 25 x 25 ft. Lb. 95 cts.; 5 lbs. \$4.50; 25 lbs. \$20; 100 lbs. \$75, delivered.

White Clover

Dark green compact foliage. Used where it has been found difficult to produce a lawn with grass seed only. $\frac{1}{4}$ lb. 25 cts.; $\frac{1}{2}$ lb. 40 cts.; lb. 65 cts. Use 1 lb. with 25 lbs. of lawn seed.



We also offer the Lawn Grass Seed Mixture for Shaded Areas prepared according to Formula No. 3 recommended by the N. J. Agricultural Experiment Station. Price on application.



The "Forbes" Lawn Grass Seed

is a rapid-growing combination of grasses and produces in from four to six weeks, a permanent lawn capable of withstanding heavy wear. It contains seeds of six dwarf evergreen and perennial grasses of fine lawn texture. Definite proportions of these are mixed very thoroughly. The resultant lawn has a fine, even, rich green appearance and a permanency not usually found.

is known the country over for its high quality. It is higher priced than ordinary store mixtures but is cheapest in the long run. It contains only heavy, re-cleaned, live seeds, free from worthless chaff and weed seeds. It is backed by our national reputation for fair dealing and finest quality. We do not use any White Clover seed in this lawn mixture.

Prices: $\frac{1}{2}$ lb. 35 cts.; lb. 60 cts.; 2 lbs. \$1.10; 5 lbs. \$2.50; 10 lbs. \$4.75; 25 lbs. \$11.50; 100 lbs. \$45, all delivered.



**Send
for this
can today**

FOR your convenience here is The "Forbes" Lawn Seed in a handy, ready-to-sow container. Just push in the plugs in the top and scatter the seed evenly. Complete directions on label.

For quick results, sow $1\frac{1}{2}$ lbs. to every 400 sq. ft. (20 by 20 ft.) of new ground, or 150 lbs. to the acre. One pound to 400 sq. ft. or 100 lbs. per acre will give good results but will take a longer time.

A 3-lb. can of The "Forbes" Lawn Grass Seed postpaid for \$1.70. Trial can of $1\frac{1}{2}$ lbs. postpaid for 85 cts.

We also offer the Standard Mixture and the Finest Quality Turf Mixture from Formulas No. 1 and No. 2, respectively recommended by the N.J. Agric. Exp. Sta. Ask for prices.

New Unusual Flowers of Merit for 1930



Aster, Aurora

Asclepias tuberosa

A showy native perennial, called "Butterfly Weed," producing, from July until frost, compact umbels of brilliant orange flowers on plants 2 feet high. Pkt. 15 cts.; 4 for 50 cts.

Aster, Aurora

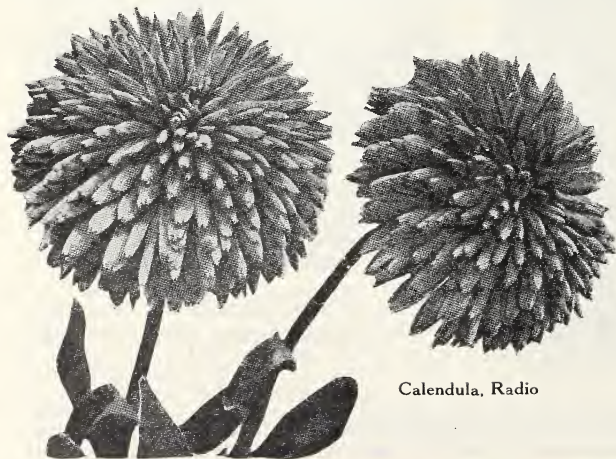
This is an innovation and quite different from any other annual Asters. The center of the flower is bright yellow, with an outer circle of delicate blue, forming a very striking contrast. Its flowers come quite true to color and are of medium size. The plants are of robust growth, averaging 2 feet in height. Pkt. 25 cts.; 5 for \$1.

Dahlia, Orchid-flowered, Starfish

This recent introduction from Europe is a single Dahlia of medium height, the twisted petals giving a star effect. The colors are white, red, orange, and yellow, quite often dotted and blotched, giving a bizarre appearance. Pkt. 50 cts.



Dahlia, Orchid-flowered,
Starfish



Calendula, Radio

Calendula, Radio

Many new Calendulas have been introduced in recent years, but none has shown as distinct a break in the formation of the flower as is the case with Radio. The petals are beautifully quilled, giving an unusual appearance for a Calendula and adding much beauty. The deep orange flowers are very globular and do not show the center until at a very advanced stage. They are of medium size on stems of fairly good length. Pkt. 35 cts.



Dimorphotheca,
Ringens

Dimorphotheca, Ringens

This is a new form of Veldt Daisy recently introduced from South Africa. It is a very attractive and easily grown annual of compact habit, growing about 8 to 10 inches high. The individual flowers are large, pure white with a very conspicuous blue ring around the center or eye of the flower. They are more refined than most composite flowers of the Daisy class and are very attractive. The plant, although dwarf, is extremely free-flowering. Pkt. 25 cts.; 5 for \$1.

Eschscholtzia, Ramona

A lovely new type of California Poppy with extremely large flowers of a pale, glittering coppery gold with pink shadings. The flowers are single but they are delicately frilled, giving them the appearance of semi-double blossoms. They are very pretty and unusually graceful. Pkt. 25 cts.; 5 for \$1.



Eschscholtzia, Ramona

Early-flowering Colored Hybrids of Double Gypsophila paniculata

We offer for the first time a very limited quantity of seed of these new colored hybrids. They very closely resemble the well-known white perennial

variety of double, panicle-forming Gypsophila, but come in shades of delicate rose and rose-lilac. This strain will prove to be from 30 to 40 per cent true. Pkt. 75 cts. each.



Gypsophila paniculata fl.-pl., Colored Hybrids

We also offer the well-known

Paniculata, Double Snow-White The Double-flowering Baby's Breath

This is a fine hardy plant for cutting purposes. Ht. 2 to 3 ft. Pkt. 25 cts., 5 for \$1.

Heliopsis, Double Lemoine Strain

We offer, for the first time, seed of this new Double Heliopsis as introduced by the famous French hybridizer, Lemoine. This remarkable strain is a great improvement over the ordinary single and semi-double sorts. The flowers are a very brilliant golden yellow and twice as large as the ordinary variety. The stems are exceptionally stout and attain a height of 3 to 4 feet. This is a true perennial but seed planted in early spring will be in bloom in July. Pkt. 25 cts.; 5 for \$1.



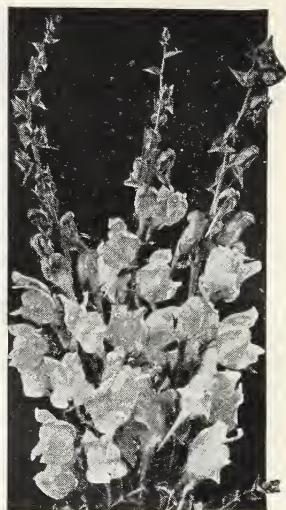
Heliopsis, Double

Hollyhock, Double Imperator

A wonderful new type of this hardy garden favorite, having spikes which rise to a height of 6 to 8 feet, bearing flowers from 5 to 6 inches across, consisting of elegantly frilled and fringed outer petals, the center forming a double rosette about 2 inches across. The colors are principally rose, cerise, salmon, cream, and yellow in different color-combinations. Pkt. 35 cts.

Linaria macedonica speciosa

This is a very fine perennial, easily grown from seed, and is undoubtedly the best yellow perennial that can be grown for general use. It is hardy and can be used where medium height is needed in rock-garden work. The flowers resemble large golden yellow snapdragons, borne on stems averaging 3 feet. Its foliage is rather attractive and has a silvery, medium-sized leaf which extends up the stems at the joint from where the flowers advance. Pkt. 25 cts.; 5 for \$1.



Linaria macedonica speciosa

Larkspur, Los Angeles

A remarkable new variety of Stock-flowered Annual Larkspur with large, double flowers having a rich salmon ground overlaid with brilliant rose. The result is darker and richer than La France, which it closely resembles in type of growth, except that the foliage of Los Angeles is a much darker green. This color is particularly lovely under artificial light. Pkt. 35 cts.



Hollyhock, Double Imperator

Larkspur, Improved Exquisite Pink

This new type of Annual Larkspur is of upright habit, similar to the perennial Delphinium, and the plants show a much greater freedom of bloom than the older sorts. The spikes are almost as large and fine as those of the perennial varieties and stand upright, close to the center stalk, making it a show plant of first rank in the garden, as well as furnishing cut-flowers of finest quality. Its exquisite color,—beautiful soft pink shaded salmon,—perfection of form, length of spike, and free-blooming habit make this an outstanding advancement in Annual Larkspurs. The type is well fixed and comes practically

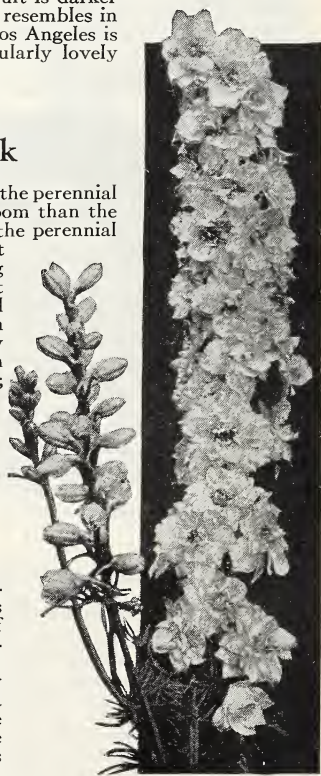
100 per cent true from seed. Pkt. 25 cts. each; 5 for \$1.

Myosotis alpestris, Indigo-Blue Bouquet

This massive-blooming Forget-me-not has very large clusters of bloom but is of wonderfully compact habit, with flowers, unusually large for Myosotis, of a rich deep blue. It is one of the most effective spring bedding subjects yet introduced. Pkt. 50 cts.



Myosotis alpestris



Larkspur, Los Angeles

Iceland Poppy, Coonara Pinks, Mixed Hybrids

This is a new type of perennial Iceland Poppies introduced from Australia. It contains many beautiful shades of light pink and salmon-pink, as well as orange and yellow, and the flowers are of good substance and very large. The plants are more vigorous than is usual in Iceland Poppies, and the flowers are much more freely produced on long, slender stems throughout the season. They will keep well if cut in bud and the end of stems seared for a moment. If sown in the hotbed in March or April, plants will bloom the same year. Pkt. 25 cts.; 5 for \$1.

Sweet Wivelsfield

This remarkable hybrid, a cross between *Dianthus Allwoodi* and *D. barbatus* (Sweet William), is quite distinct in method of flowering and habit of growth from the annual Sweet William. It has great wealth of color and

fragrance and a very long season of bloom. It is an annual and if sown in hotbed in February or March, the seedlings will come to bloom in June; if sown outdoors in April, it will bloom in August. Pkt. 50 cts.



Sweet
Wivelsfield

Poppy, Ranunculus-flowered, Double Pompour

A very attractive and improved perennial form. The range of colors is very large and includes unusually beautiful shades. Its delicate picotee flowers are particularly attractive. Pkt. 35 cts.



Poppy, Ranunculus-flowered, Double Pompour

Scabiosa caucasica, Giant Hybrids

Isaac House Strain

This variety has flowers twice as large as the well-known *Caucasica Blue*, is more vigorous in growth, with larger and longer stems, and larger and heavier petals which are ruffled and slightly frilled at the edges. In this new hybrid strain, you will find colors ranging from white to dark blue, but the predominating colors are delicate lilac and mauve. Extremely graceful for cutting. Hardy. Pkt. 50 cts.; 5 for \$2.



Scabiosa caucasica



Sunny Spots



Naturalized Flower Plantings



Foliage Plants

NATURALIZING

- | | |
|-------------|----------------|
| *Aquilegia | *Lupinus |
| *Bellis | *Lychnis |
| *Candytuft | *Myosotis |
| *Daisy | *Petunia |
| *Delphinium | *Phlox |
| *Digitalis | *Poppy |
| *Hollyhock | *Pyrethrum |
| *Lobelia | *Sweet William |

Flowers for Different Situations

All are easily grown from seed

SUNNY SPOTS

- Aster
- *Achillea
- Amaranthus
- Balsam
- Calendula
- Celosia
- Clarkia
- Cosmos
- Dahlia
- Dimorphotheca
- Mignonette
- *Oenothera
- Petunia
- Phlox
- Portulaca
- *Salpiglossis
- *Sweet William
- Zinnia

FOLIAGE PLANTS

- *Agrostemma
- Amaranthus
- Asparagus
- Coleus
- Dracena
- Dusty Miller
- Euphorbia
- *Grasses
- Kochia
- *Pyrethrum
- Ricinus
- Vinca

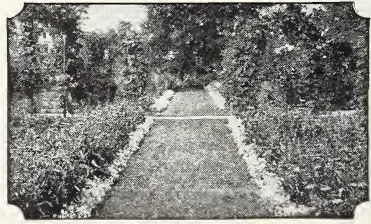
Those who are new adventurers in the fascinating pursuit of garden-making may be puzzled to know which of the many flower seeds will solve their special problems. These two pages are prepared to enable them to choose the right seed for a sunny, poor soil, such as portulaca; to get the effect of a box edging with Kochia without the expense of box; to discover the glory of a gravelly hillside naturalized with blue lupine; to pick the best plant to soften the stony banks of that brook which winds across the property; and the innumerable requirements of even a very small piece of ground.

MASSED COLORS

- Antirrhinum
- Ageratum
- Alyssum
- *Arabis
- Candytuft
- Celosia
- Helichrysum
- Larkspur
- Nasturtium
- Petunia
- Phlox
- Poppy
- Portulaca
- Salvia
- *Sweet William
- Verbena
- Zinnia

ROCK-GARDENS

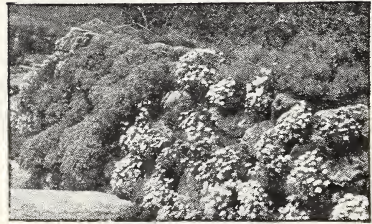
- Abronia
- *Alyssum
- *Arabis
- *Aubrietia
- *Candytuft
- Ice Plant
- *Linaria
- Portulaca
- *Primula
- Torenia
- Verbena



Edgings or Margins

EDGINGS

- Alyssum
- *Arabis
- Candytuft
- Dusty Miller
- Lobelia
- Marigold, Fr.
- Nasturtium
- *Pansy
- Petunia
- Phlox
- Portulaca

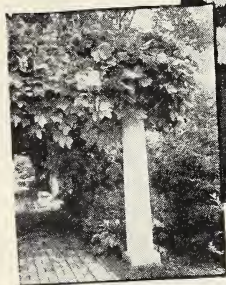


Wall- or Rock-Garden



Massed Colors

Perennial flowers are indicated by the asterisk (*)



Climbers

CLIMBERS

- *Ampelopsis
- *Aristolochia
- *Balloon Vine
- *Clematis
- *Cobaea
- *Cypress Vine
- *Dolichos
- *Humulus
- *Moonflower
- Morning-Glory

SHADED CORNERS

- *Aconitum
- *Aquilegia
- *Bellis
- *Digitalis
- *Gentiana
- *Mimulus
- *Myosotis
- *Pansy
- *Primula
- *Viola



Hanging-Baskets

HANGING-BASKETS

- Abronia
- Alyssum
- Asparagus
- Browallia
- Ice Plant
- *Linaria
- Lobelia
- Petunia
- Smilax
- Verbena



Cut-flowers



House Plant

FRAGRANT AND CUT-FLOWERS

- | | | |
|-------------|---------------|--------------|
| *Anemone | Didiscus | Physalis |
| Antirrhinum | Dimorphotheca | Poppy |
| *Aquilegia | Eschscholtzia | *Pyrethrum |
| Arctotis | Everlastings | Salpiglossis |
| Aster | Gaillardia | Scabiosa |
| *Boltonia | Gypsophila | Statice Sin. |
| Calendula | Heliotrope | Stevia |
| Calliopsis | Hunnemannia | Stocks |
| *Carnation | Larkspur | *Stokesia |
| Centaurea | Marigold | Sweet Peas |
| Clarkia | Mignonette | Sweet Rocket |
| Cosmos | Nasturtium | *Tritoma |
| Dianthus | *Pansy | Zinnia |



Backgrounds

BACKGROUNDS

- Cosmos
- *Delphinium
- *Digitalis
- Helianthus
- *Hollyhock
- Ricinus

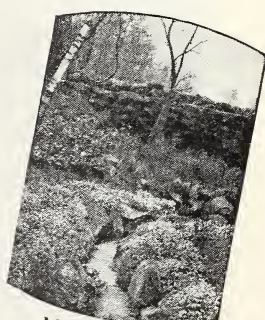
HOUSE PLANTS

- Begonia
- Browallia
- Calceolaria
- Carnation
- Cineraria
- Cyclamen
- Gerbera
- Gloxinia
- Impatiens
- Lantana
- Mimulus
- Primula
- Schizanthus
- Solanum

As further assistance in choosing the proper flowers for each place, we have divided this catalogue into sections devoted to seeds of plants in certain broad classes.

Following the New and Unusual Flowers of Merit for 1930, comes a section devoted to Seeds of Annual Flowers, *i. e.*, those which, if sown in the spring, will produce flowers the same summer and die in the autumn. Then comes a section of Seeds of Annual Climbers which will make quick, one-season growth as vines; a special section devoted to Seeds for Greenhouse Culture, including those commonly grown as House Plants; Seeds of Perennial Flowers which usually do not bloom until the second summer after sowing but continue to flourish year after year; ending with Perennial Climbers which live on year after year.

Cultural directions suitable to the type of flower being described are included in each section, and if they are closely followed, there should be no difficulty in succeeding with any of these seeds.



Moist Locations



Shaded or Partly Shaded Corners

Perennial flowers are indicated by the asterisk (*)

MOIST LOCATIONS

- *Heliotrope
- *Hibiscus
- *Lobelia
- Mimulus
- *Myosotis
- *Pansy
- *Snapdragon
- Stocks
- *Viola
- *Wallflower

Forbes Choice Seeds of Annual Flowers

ANNUALS are flowers which sprout from seed, grow, flower, fruit, and die all within the limits of the garden year. They require the long daylight of summer.

They have many advantages. Being inexpensive, they appeal equally to both the home renter and the home owner. They bring a lengthy season of profuse bloom and scent. They are indispensable as filling-in plants in the perennial garden when winter-killing, disease, or natural dying back of bulbs and plants causes wide gaps of earth to mar the effect of the whole. They flaunt their beauty for the garden year and then give themselves up to the work of seeding; many self-sow and are practically permanent. They are fitted for every use, and where there is no ground, Annuals brighten the lives of the city dweller, either in pots or window-boxes and in the garden plots of school children.

Annuals have a delicate beauty all their own and may furnish material for a whole garden or for the cutting border, to supply cut-flowers for home decoration.

Seeds of Annuals unless otherwise noted, should be started indoors in a light, enriched, sifted soil. If clay predominates in the soil, mix it with sand or cinders. Drench the soil of 3-inch flats or of clean, scraped pots with Semesan to sterilize it, so that damping-off, a fungous disease, will not occur. Sow seeds in flats in rows; or in pots in a spiral. Large seeds should be covered with sand to the depth of three times their diameter. Sow each Annual by itself. Fine seeds should be sown in soil that has been watered first and should be covered not with soil but with tissue paper. A sheet of glass over the pot or flat conserves moisture. After the first true leaves appear, first water, pinch back and on a dull day transplant seedlings, later thinning out and weeding so that they do not get spindly.

When sowing outdoors in ground, prepare the soil deeply, enrich and rake well. Water thoroughly once, rather than sprinkle often. Later keep a dust-mulch with a hoe.



Abronia

Umbellata grandiflora (Sand Verbena). Half-hardy annual. A charming trailing succulent plant, with verbena-like heads of fragrant flowers of bright rose with white center, all summer. It delights in a dry, poor soil and sunny situations. Peel off husk before sowing seed. Ht. 6 in. Pkt. 10 cts.

Acroclinium. See Everlasting Flowers

Ageratum • Floss Flower

One of the best bedding plants, being literally a sheet of bloom from early summer till frost. The flowers are not spoiled by rain, nor do the colors fade. Easily raised from seed started in a hotbed and in May transferred to the garden, 4 to 6 inches apart. Can also be sown outdoors in May.

Blue Perfection. Large heads of deep blue flowers in abundance. Fine for cutting. Ht. 12 in. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Lasseauxi. Rose-colored flowers, growing to the height of 1 foot. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Little Blue Star. A very dwarf variety used largely for edging, growing about 4 to 5 inches high; clusters of bright blue flowers. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.

Little Dorrit, Blue. This variety grows about 6 inches high; flowers bright blue. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Little Dorrit, White. Same in habit as preceding, only white. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.



Ageratum. Little Blue Star

Alyssum

A fragrant edging plant, bearing spikes of small, white flowers in great profusion throughout summer and autumn. Useful for borders or early bedding flowers; fine for baskets and window-boxes. For *Alyssum saxatile* see Perennial List.

Carpet of Snow. Of creeping habit, forming such a dense carpet of beautiful white flowers that the foliage can scarcely be seen. Ht. 4 in. Pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.; oz. \$1.

Lilac Queen. A dwarf, compact variety with pure lilac-colored flowers. Pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.; oz. \$1.

Little Gem. Pure white; grows only 4 inches high, and blooms profusely. Pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.; oz. \$1.

Sweet Alyssum. Of trailing habit; flowers white. Ht. 6 in. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.



Alyssum. Carpet of Snow

Amaranthus

Brilliant-foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location and not too rich soil and must be given sufficient room to develop their full beauty.

Caudatus (Love-lies-bleeding). Light yellowish green foliage; long, drooping, crimson flower-spikes. Ht. 3 ft. Pkt. 10 cts.

Salicifolius (Fountain Plant). Of graceful drooping habit, with willow-like leaves, 5 to 8 inches long, of bronze-green, changing later to orange-red. Is a native of the Philippine Islands. Sow seed outdoors in May. Ht. 3 ft. Pkt. 15 cts.

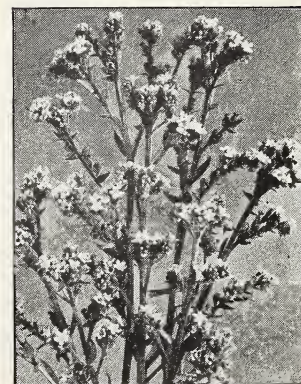
Tricolor splendens (Joseph's Coat). Brilliant leaves variegated with red, yellow, and green. Ht. 3 ft. Pkt. 10 cts.

Anchusa Cape Alkanet

Bluebird. This strain, unlike other annual strains, grows very compactly, 18 inches high, with a luxuriant bouquet at the top of the plant. The flowers are vivid indigo-blue, a needed color among annuals, and bloom through a long season. Start seed in frames in March for July bloom. Pkt. 50 cts.

Capensis (Summer Forget-me-not). A hardy annual of more than ordinary beauty. It grows about 2 feet high, branching freely and bearing a profusion of the most lovely azure-blue flowers, similar in all respects to the forget-me-not, though the blossoms are much larger and of finer color. It blooms early and continues all summer. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

For *Anchusa italica*, *Dropmore*, see Perennial List.



Anchusa capensis



Forbes Super-Giants are the finest type for cut-flowers. To have good straight stems, be sure to put a light stake at each plant of all tall varieties to support the weight of the large blooms.



Super-Giant Snapdragons

Forbes Wonderful Snapdragons (Antirrhinums)

For exquisite form, color, and all-round usefulness, there are few flowers to compare with the Snapdragons. They are really biennials but bloom freely the first season from seed started in early spring. If cut back and potted up in September, they will bloom nearly all winter, or they may be left outdoors, with some protection, over winter, to bloom again in the spring. For summer flowers, sow the seed indoors in March and transplant to the open ground in May, choosing, if possible, a moist location and cultivating frequently.

Forbes Super-Giants

This wonderful group of the newest creation in Giant Snapdragons far surpasses anything yet introduced. They grow 4 to 5 feet high, much taller than the Half-Dwarf group, and have still larger flowers, closely placed on the stems. They come in a range of colors that are quite distinct. In vigor of growth, size, color, and profusion of blooms, these Super-Giants are a wonderful improvement over the tall, large-flowering strains previously grown.

Apple Blossom. Soft apple-blossom-pink with yellow lip and pure white throat. Strong stems and magnificent flowers.

Cattleya. Beautiful rosy lilac with yellow lip. A very pleasing color and large handsome flowers.

Copper King (Indian Summer). A rich bronzy copper color, with a warm, ruddy sheen. This strain produces magnificent long flower-spikes.

Purple King. Deep, glowing reddish purple or deep garnet—a very striking shade.

The Rose. Clear deep rose-pink, often called begonia rose. Very large individual flowers set closely on long spikes.

Wallflower. Very large, bronzy orange flowers, shading to coppery red at the edges and deep yellow in the throat.

Mixed. Provides a fine assortment of color combinations.

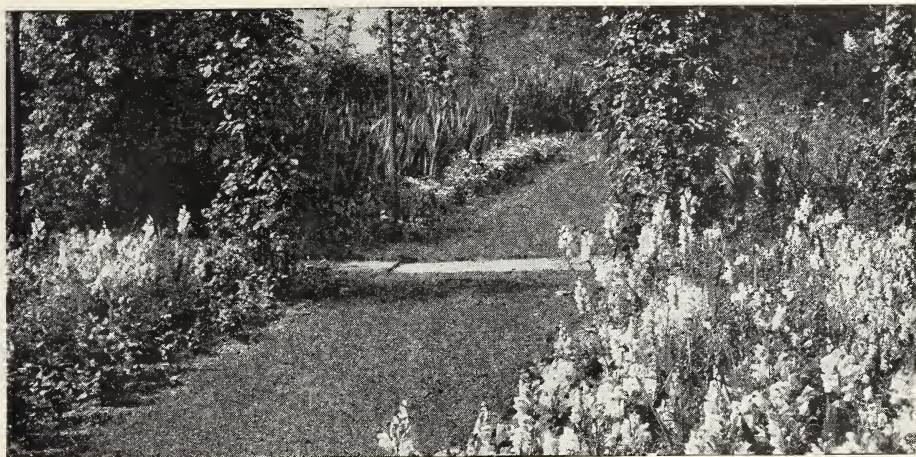
Each, pkt. 25 cts.; $\frac{1}{8}$ oz. \$1

COLLECTION: Pkt. of each of the above 6 varieties for \$1.25;
 $\frac{1}{8}$ oz. of each of the 6 for \$5

Tom Thumb Varieties

Mixed Colors. The varieties in this mixture are fine for bedding, and grow about 10 inches high. Pkt. 10 cts.; $\frac{1}{8}$ oz. 35c.

See Greenhouse Seeds on page 54 for forcing Snapdragons.



Half-Dwarf Giant-flowered Snapdragons

The Glory varieties of Half-Dwarf Giant-flowered Snapdragons are the best for bedding. They come in a wonderful array of soft color combinations and can be flowered from seed the first year if sown indoors in March. Ht. 1½ ft.

Autumn Glory. Very brilliant apricot-buff, with yellow center, producing a rich glowing effect when massed in borders.

Crimson Glory. This has large flowers of a rich, velvety crimson, quite free from any trace of the generally disliked magenta tint. The compact plant blooms early.

Lilac Glory. Beautiful, half-dwarf, silvery lilac sort.

Mauve Glory. Extremely large flowers of a lovely rosy mauve.

Orange Glory. This variety grows to a height of 12 to 15 inches, is of very sturdy habit, and bears large, beautifully formed flowers of rich orange, shading to gold in the center.

Pink Glory. A charming variety, described as an almond-blossom-pink. The flowers are large and borne on fine, upright spikes. Makes a splendid effect in beds.

Salmon Glory. The general effect in masses is a rich, salmon-red, or terra-cotta shaded salmon, the individual flower being a deep salmon-rose above, a vivid orange in the center, merging into terra-cotta in the base.

Sunrise Glory. The largest variety, in a rich, terra-cotta-orange, shading to yellow in the center.

White Glory. A very fine, half-dwarf, pure glistening white.

Glory, Mixed. Comprises a very wide range of colors including all of the varieties above mentioned. ¼oz. \$1; oz. \$5.

Each, pkt. 25 cts.; ¼oz. \$1

COLLECTION: One pkt. of each of the above 9 varieties for \$2

Semesan Seed Disinfectant

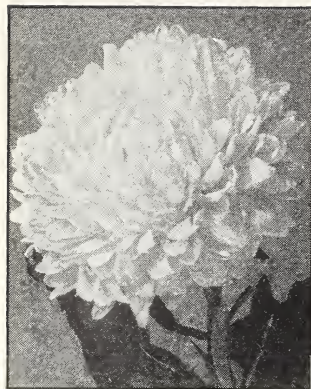
Mix a small quantity of Semesan powder with your Snapdragon Seeds before sowing—a teaspoonful to one ounce of seed, a pinch to a packet—shake together a minute and sow. Protects against fungus and disease.

Arctotis · African Daisy

Grandis. A remarkably handsome annual which forms bushes 2 to 3 feet high and blooms in a sunny location from July until frost. Its flowers are large and showy, being pure white on the upper surface, embellished with a narrow yellow zone at their base; the reverse of petals is pale lilac-blue. Sow seed outdoors in April. Pkt. 15 cts.; ¼oz. 50 cts.



Arctotis



Branching Aster



Royal Aster



Asternum. See page 26

While all Asters are very beautiful, the variation in the shape of the flowers is remarkable. On this and the next page we show pictures illustrating seven of the most important types, any of which may be had in almost the full gamut of Aster colors. Besides, they vary in habit of plant, earliness and lateness of flowering, and the size of individual blooms. While their beauty is, as a rule, best appreciated as cut-flowers, they make showy masses of color in the garden, especially those early branching types with the erect, short-rayed, incurved flowers.

Aster—Queen of the Annuals

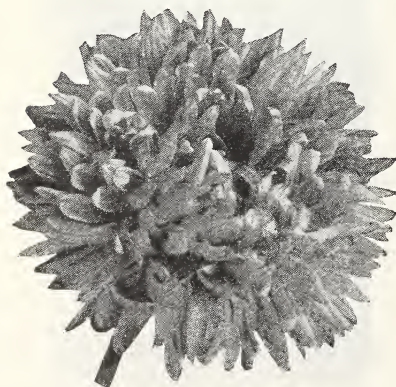
The Aster is the most popular annual fall flower grown, and justly so because of its easy culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. To cut Asters abundantly as long as possible, several sowings should be made of the early, midseason, and late-flowering types. To succeed with Asters sow the seed in flats in the house or hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle; and move to permanent beds in May. Make the second sowing in the cold-frame the latter part of April, and the third the latter part of May. Set the plants of early varieties 10 inches apart, and of later varieties 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary.

Forbes Branching (Blight Resistant)

This superb strain forms strong, branching bushes, 2 to 3 feet high, bearing on long, strong stems their handsome chrysanthemum-like flowers. These large, fluffy blooms—the largest of all the Asters—are double to the center, of exquisite form and delicate color, and the petals broad and undulating. They bloom usually at their best during September. White, Lavender, Shell-Pink, Crimson, Purple, Pink Enchantress, and Mixed. Each, pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.

Special Collection Offer

Of Forbes Branching Asters in 6 colors. One pkt. of each color—White, Lavender, Shell-Pink, Crimson, Purple, and Pink Enchantress—all beautiful shades and easy to grow—(6 pkts.) for 50 cts.; $\frac{1}{2}$ oz. of each of these 6 colors for \$2.



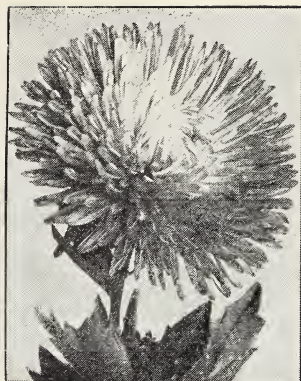
Heart of France

Heart of France

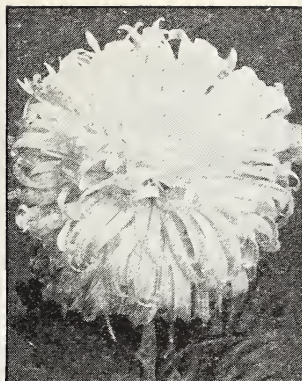
This beautiful variety opens red as the purest ruby, deepens with age, and retains its remarkable color till frost. The petals appear strikingly changeable, at one time showing a glow and sheen quite unique, and at another a soft, warm, velvety texture. In any light, Heart of France commands instant admiration. The flowers are large and full, the plants of branching type and robust habit and the stems are long with few laterals. Ht. $1\frac{1}{2}$ to 2 ft. Pkt. 25 cts.; $\frac{1}{2}$ oz. 75 cts.

Royal

One of the best early-flowering sorts similar in type of flower to Forbes Branching. Very desirable for beds or borders and excellent for cutting. Lavender, Rose, Purple, Shell-Pink, White, and Mixed. Each, pkt. 15 cts.; $\frac{1}{2}$ oz. 60 cts.



King Aster



California Giant



Sunshine Asters

King Aster

This magnificent class of Asters is distinct from all others in the character of the flower. The petals are long, narrow, and folded lengthwise, as if quilled, giving a very graceful and charming effect. Flowers are of great size and substance and last longer when cut than any other class. The plants are large and the stems unusually long. They come into bloom after the early sorts and before the branching types. In seven handsome colors: **Lavender, Lavender-Pink, Shell-Pink, Violet, Crimson, Rose, White, and Mixed.** Each, pkt. 20 cts.; $\frac{1}{2}$ oz. 75 cts.

American Beauty

This beautiful variety is, beyond doubt, one of the grandest sorts in cultivation. It is of the Late Branching type, 2 to $2\frac{1}{2}$ feet high. The flowers, from 4 to 5 inches in diameter, are full, with incurved petals, and on stems from 15 to 20 inches long. **Shell-Pink, Deep Rose, White, Lavender, Purple, and Mixed.** Each, pkt. 15 cts.; $\frac{1}{2}$ oz. 60 cts.

New Sunshine Aster

You will be impressed and delighted with the striking beauty of this new Aster. The flowers, which measure from 4 to 6 inches in diameter, are half-double and exhibit all the grace and beauty of the single Aster, greatly enhanced by a cushion center of tiny quills of a contrasting color. The golden yellow ground-tone of the quilled petals contrasts wonderfully with the pink, blue, lilac, and white of the outer petals. These form a loosely curled circle, making the flowers extremely pleasing to the eye. The plant is of branching habit similar to Forbes Branching, throwing long stems which make it invaluable as a cut-flower. The delicate beauty and high value of this Aster should appeal to every garden-lover who wants really fine flowers for cutting. **Blue, Pink, Lilac, and White.** Each, pkt. 25 cts.; 5 pkts. \$1.

Sunshine Aster Mixed. Contains pink, mauve, dark blue, dark red, and pastel shades from white to coral-pink, and clear mauve to silver lavender. Pkt. 25 cts.; 5 pkts. \$1.

California Giants

In this splendid cut-flower strain, the earliness and the beautiful fluffy Comet type of flower of the Crego Asters is combined with the giant size and vigor of the American Beauties. The flowers are full-centered and substantial, averaging 5 to 6 inches across, and produced on stout stems $1\frac{1}{2}$ to 2 feet long without disbudding. Ht. 3 to $3\frac{1}{2}$ ft. **Peach Blossom, Light Purple, Deep Rose, Dark Purple, Light Blue, White, and Mixed.** Each, pkt. 25 cts.; $\frac{1}{2}$ oz. 75 cts.

Asters like good soil, sunshine, and ample supplies of water, although the ground must not be soggy. Cultivate them weekly, taking care not to disturb their roots while they are small, but cease cultivation as soon as the plants touch each other. If extra-fine blooms are wanted for exhibition or cutting, disbud the plants, leaving only one flower to the stem, and feed them with copious supplies of weak liquid manure. For garden display, such attention is unnecessary, and they may be left entirely alone after they become large enough to shade the ground.



American Beauty



This Aster bed made a glorious show of color in September

Balsams are very useful for filling in vacant places. They grow and bloom quickly from seed, and may be transplanted bodily to a location where they are needed even when fully grown and in the height of bloom.



Double-flowered Balsam

Ostrich Feather Asters

This is considered to be the finest and largest of all the Comet type. The flowers are borne on long, stiff stems and are of a fluffy character, frequently 5 inches in diameter. Because of their keeping qualities, they are fine for cut-flowers as well as bedders. Large, full flowers, with long, beautifully curled, shaggy, twisted petals. Ht. 1½ ft. **Maroon, White, Blue, Rose, and Mixed.** Each, pkt. 10 cts.; ½oz. 40 cts.

Coppery Brown. A brand-new color in this class, especially fine for cut-flowers. The color varies with the development of the flower, first a silky coppery brown, changing to a vermillion-brown with faint whitish petal-tips as the flower ages. Pkt. 50 cts.; 5 pkts. \$2.

Forbes Astermums

The plants are tall, graceful, strong and branching. The flowers are very large, often 5 inches across, of great substance, on long, sturdy stems. Excellent for beds or massing. Ht. 1½ ft. **White, Dark Blue, Scarlet, Peach-Blossom, and Mixed.** Each, pkt. 15 cts.; ½oz. 60 cts.

Single Annual Asters

Popular for cutting, the flowers are carried on long stems and much resemble the single Japanese chrysanthemum. Our strain has long petals and a very small center.

Pink Pearl. A fine pink variety. Pkt. 15 cts.; ½oz. 60 cts.

Violet Queen. An excellent violet bedding variety. Pkt. 15 cts.; ½oz. 60 cts.

Semesan Seed Disinfectant

Mix Semesan powder with your Aster Seeds before sowing—a teaspoonful to one ounce of seed, a pinch to a packet—shake together a minute and sow. Protects against fungus and disease.

Balsam • Lady's Slipper

These favorite half-hardy annuals are easy to grow, but love hot summer sun, rich soil, and plenty of water. The young plants are quick, sure growers and, from seed sown in the open ground in May, soon form handsome bushy plants 1½ feet high, thickly massed with large, rose-like flowers. Transplanting dwarfs plants and makes flowers more double.

Double Camellia-flowered. The finest type of Balsam. Very large, extra-double camellia-like flowers in many colors and shining green foliage. They are splendid for bedding **Pure White, Rose, Yellow, Scarlet, Lavender, and Mixed.** Each, pkt. 10 cts.; ¼oz. 50 cts.



Single Tuberous-rooted Begonias contrast nicely with the beautiful foliage

Begonia

The following varieties of *Begonia semperflorens* and *B. gracilis* take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing about 1 foot high, and forming dense bushes.

Everblooming Bedding Varieties

The small, bright flowers are borne in great profusion from summer to autumn. Spring seedlings bloom in summer while summer seedlings make fine house plants for the winter.

Semperflorens Erfordi. Bright rosy carmine flowers with glossy green foliage. Ht. 10 in. Pkt. 25 cts.; 5 pkts. \$1.
Semperflorens, Salmon Queen. Very attractive new variety with large, salmon-colored blossoms and dark foliage. Pkt. 25 cts.; 5 pkts. \$1.

Semperflorens, Vernon. A grand old favorite often grown as a Christmas-flowering pot-plant and fine for bedding. It is of branching habit, with dark green foliage, shaded bronzy red and carmine-scarlet flowers. Pkt. 25 cts.; 5 pkts. \$1.

Gracilis luminosa. Fiery, dark scarlet flowers, and satiny brown foliage. Pkt. 25 cts.; 5 pkts. \$1.

Gracilis, Prima Donna. Large, handsome plants with shining green foliage, covered with bright rose-pink flowers. Pkt. 25 cts.; 5 pkts. \$1.

Gracilis, White Pearl. A fine companion to Prima Donna. The flowers are pure snowy white, and produced freely. Pkt. 25 cts.; 5 pkts. \$1.

Tuberous-rooted Begonias

For greenhouse and for summer bedding these are unequalled. Seedlings raised in heat early in spring will flower the same summer. They bloom very profusely.

Single Tuberous-rooted, Mixed. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt. 50 cts.

Double Tuberous-rooted, Mixed. These produce, on strong, erect stems, an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. They are very striking. Pkt. 50 cts.

Brachycome • Swan River Daisy

Iberidifolia, Mixed. One of the daintiest and most charming little annual flowers imaginable and easy to grow in any soil. The flowers are borne on graceful stems well above the delicate, finely lacinated foliage. They are ideal for low beds and borders, as the plants grow to a height of only 8 to 10 inches. Pkt. 15 cts.; ½ oz. 50 cts.

Tuberous Begonias are gorgeous plants for dense shade. They need 2 to 3 inches of very rich soil and bountiful supplies of water at all times. The flowers are marvelous in color and size, and contrast wonderfully with the foliage.

THIS WILL HELP YOU

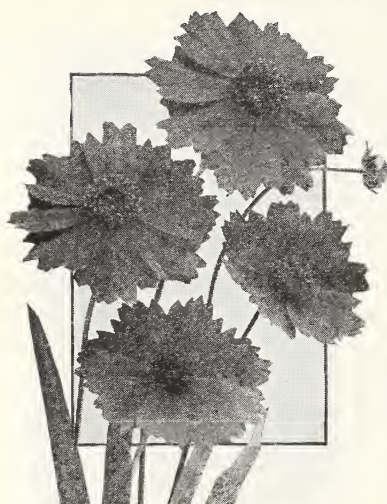
The Book of Annuals
 By A. C. Hottes. A helpful, illustrated guide to the handling of annual flowers and vines for seeding, transplanting, and pinching in. Gives the description, use, arrangement, and culture of each. 182 pp. Cloth, \$1.50.



Swan River Daisies



Calendula, The Ball



Calliopsis, Crimson King

Few flowers are more easily grown than Calendulas, and really beautiful specimen blooms may be produced by the splendid new strains we are offering. For such specimens the plants should be liberally fed and disbudded. For garden display only the most ordinary care is needed to keep up a continual sheet of bloom through summer and fall.

To insure strong, healthy plants, it is well to dust the seeds lightly with Semesan before sowing.

Calendula · Pot Marigold

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, and producing a fine effect in beds or mixed borders. It is particularly bright in late fall, continuing in bloom from early summer until killed by frost. Valuable also for pot culture, blooming freely in winter and early spring. Sow the seed outdoors in April. Ht. 1 ft.

Ball's Gold. A new, bright yellow strain. It has the same fullness of flower as The Ball. Pkt. 25 cts.

The Ball. This special forcing strain produces large, extra-double flowers of bright orange. Pkt. 25 cts.; 1/4 oz. 75 cts.

Campfire (Sensation). Enormous brilliant orange variety with a scarlet sheen and a full yellow center. Pkt. 35 cts.

Lemon Queen. This is of brightest sulphur-yellow. It is double and always very showy. Pkt. 10 cts.; 1/2 oz. 50 cts.

Orange King. Fine for cutting, bearing wonderful double flowers of the deepest orange-red. Pkt. 10 cts.; 1/2 oz. 50 cts.

Double Mixed. All colors. Pkt. 10 cts.; 1/2 oz. 50 cts.

Calliopsis

This blooms from June until frost, grows 2 to 3 feet high, branches freely, and has long, wiry flower-stems crowned with lovely clusters of small, daisy-like flowers in beautiful shades of crimson, orange, and yellow. Sow in May and transplant 12 inches apart. For early flowers, sow seed in the hotbed in March. For other varieties, see Coreopsis in Perennial List.

Bicolor nana. Dwarf, compact plants, fine for potting, with clear yellow flowers having small garnet eye. Ht. 10 in.

Crimson King. Rich velvety crimson-garnet flowers. Ht. 10 in.

Golden Wave. Fine, rich golden yellow, contrasting with the dark chestnut-brown center. Ht. 1 ft.

Mixed Colors. A select mixture of all of the above varieties.

Each of the above, pkt. 10 cts.; 1/4 oz. 50 cts.

Candytuft · Iberis

The Candytufts are fine for edgings, bedding, massing, rock-eries, or for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants are about an inch high. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely. For Perennial varieties, see Perennial List.

Carmine. Large trusses of bright carmine-rose. Ht. 1 ft.

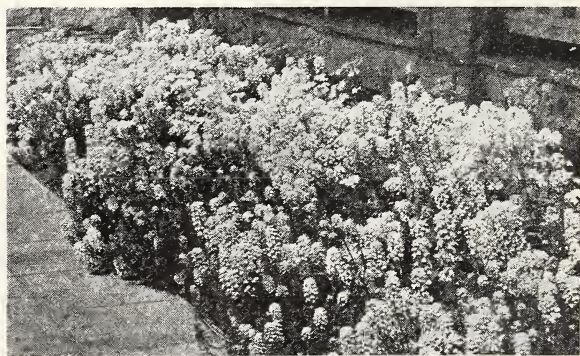
Crimson. Rich deep shade of crimson. Ht. 1 ft.

Giant White Hyacinth-flowered or Improved Empress. Very fine large white trusses of branching habit. An extra-choice, free-blooming strain, 1 1/2 feet high and the best for cutting.

Lilac. A particularly charming lilac color. Ht. 1 ft.

Mixed. Including the colors mentioned above.

Each of the above, pkt. 10 cts.; 1/4 oz. 50 cts.; oz. \$1.50



Giant White Hyacinth-flowered Candytuft

Carnation

The Carnation has long been a prized favorite, for it is easily grown in flower-beds, borders, or pots. Plants from seed bloom more profusely than propagated plants. The pleasing fragrance and richness of colors make it indispensable, both for greenhouse culture in winter and for the garden in summer. For Dwarf Carnations, see Perennial List.

Chabaud's Giant Outdoor Strain

Many gardeners do not realize how readily these Carnations may be grown. Seed may be sown outside in April, when cold weather has gone on for early bloom, sow early in a frame, greenhouse, or sunny window. Plant out the seedlings 6 inches apart and from midsummer till frost you will have Carnations as full and sweetly perfumed as those sold by the florist and almost as large. All they need is garden soil of average quality, and plenty of sun. To get best results, dig a little bone-meal into the bed when planting and rake some into the surface during growth. To get large blooms, allow only one bud to a stem and full flowering will come six weeks after planting. The plants are strong and robust, carrying their large flowers on long, stiff stems well suited for cutting. They usually come about 90 per cent double and true to color, but even the few singles and semi-doubles will charm you with their elegance of form and delightful clove fragrance.

Jeane Dionis. White.	Nero. Rich crimson.
Legion of Honor. Salmon.	Sparkler. Cardinal.
Marie Chabaud. Yellow.	The Pearl. Rose-pink.
Mixed.	

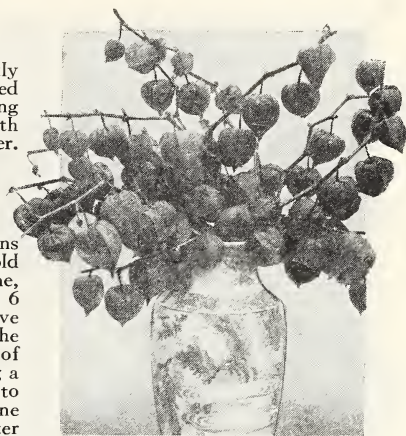
Each, pkt. 25 cts.; all 6 for \$1.25; 1/8oz. \$1

Marguerite Carnations

Very popular Carnations with the amateur, as they flower in July or August if sown in April. This strain is of extra-fine quality and has large, double, beautifully fringed, highly scented flowers. If protected they survive an ordinary winter and bloom freely next spring. Ht. 1 1/2 ft. Pink, White, Scarlet, and Mixed. Each, pkt. 15 cts.; 1/4oz. 50 cts.

Chinese Lantern Plant • Physalis

Francheti. This forms dense bushes about 2 feet high, with bright orange-scarlet, lantern-like fruits. May be had in flower first year from seed if sown in April. The fruits are often displayed in florist shops and are very interesting, and of splendid decorative value. Pkt. 25 cts.; 5 pkts. \$1.



Chinese Lantern Plant



Chabaud's Giant Outdoor Carnation



Marguerite Carnations

There is something very fascinating about the Carnation or Pink family. There are dozens of different types, from the tiny rock plants to the Sweet Williams and the big florists' carnations. The Chinese Pinks, *Dianthus chinensis*, are particularly easy to grow and look well mixed with either Chabaud or Marguerite Carnations in vases. Always cut garden Carnations with the longest possible stems to insure strong new shoots from the bottom of the plants.



Celosia cristata



Celosia plumosa Childsi

Celosia

Cockscombs are jolly, old-fashioned flowers which require only the most casual care. Even the new, giant feathery kinds, much more handsome than those our grandmothers grew, need only a bit of fair ground open to the sun and they will make a gorgeous display throughout the entire season.

Dwarf Cockscombs are showy in the border, while the feathered or plumed varieties are especially attractive in large beds, and are useful for cutting. The flowers retain their color, even when dry, and can be used in winter bouquets.

Celosia cristata • Cockscomb

A free bloomer growing best in rather light, not too rich soil, and makes fine border and pot plants. Sow seed indoors in early spring and plant out in May, or sow outdoors in May.

Dwarf, Mixed. Easily grown and should be planted in every garden. These dwarf-growing varieties are fine for borders and bloom all summer. Ht. 1 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 75 cts.

Empress. Enormous crimson heads resembling a cockscomb. Dark bronze foliage. Ht. 10 in. Pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Celosia plumosa • Feathered Cockscomb

There are no more showy summer and fall bedding plants than the Plumed Celosias. Planted in masses, the color effect is magnificent. The handsome plants are symmetrical, every branch bearing a pointed plume of rich color. Ht. 2 ft.

Chrysantheflora, Mixed. Huge chrysanthemum-like flowers—old rose, salmon, golden yellow, wisteria, violet, mulberry, Nile-green, lemon, maroon, and orange—can be dried like Everlastings. Pkt. 25 cts.; 5 pkts. \$1.

Ostrich Plumed. Of pyramidal growth with superb, pointed plumes, making grand pot-plants and gorgeous beds, blooming from July to September. It prefers a fairly rich soil. Ht. 2 ft. **Crimson, Orange, and Mixed.** Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 75 cts.

Pride of Castle Gould. The pyramidal, compact growth, 2 to 3 feet high, supports feathered racemes of blood-red, carmine, orange-yellow, salmon, scarlet, dark orange, and wine-red. This is the best of the feathered Celosias. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

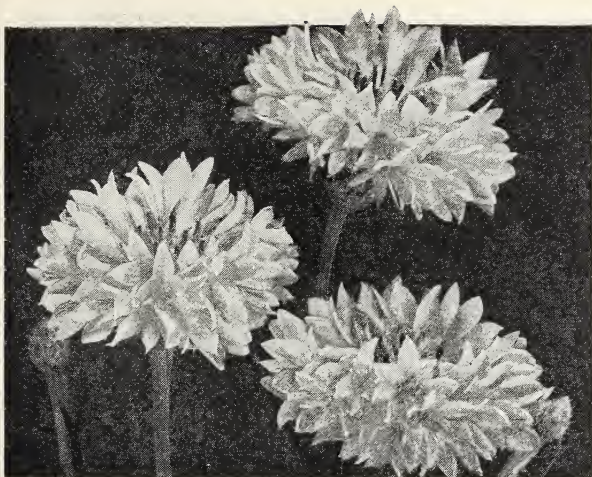
Thompsoni magnifica. Colors range from the clearest yellow to the darkest blood-red. Fine, full plumes. Ht. 3 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 40 cts.; oz. \$1.25.

Celosia plumosa Childsi • Chinese Woolflower

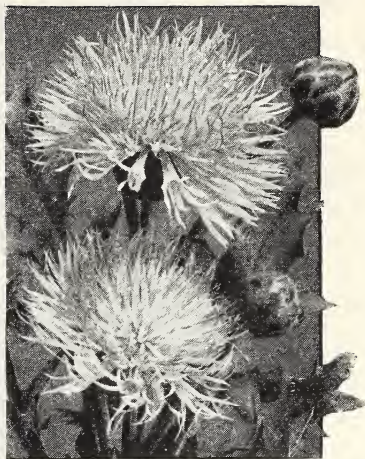
This most unusual type of Feathered Celosia grows 2 to 3 feet high. There are many branches issuing from the main stalk, each stem having the silky tendrils common to Celosia. The tips have a brushy appearance. **Crimson, Scarlet, Pink, Yellow, and Mixed.** Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.



Celosia plumosa



Double Cornflower



Giant Sweet Sultan

Centaurea

This popular annual includes such old-fashioned favorites as the Bachelor's Buttons or Cornflowers, and Sweet Sultans. They are easy to grow, take care of themselves, bloom continuously, and even come up again the next year from the seed that has dropped in the ground. Sow outdoors in April. Thin plants to stand 10 inches apart. Ht. 2 to 3 ft.

Cornflower (*Centaurea cyanus*)

Also known as Bachelor's Button, Bluet, and Ragged Sailor. Extremely showy in the garden and fine for cutting.

Double Blue Emperor. An improved strain of the original old-fashioned Cornflower. The flowers are much larger, very full, and of a more intense blue. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Double Rose. Full double flowers. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Double Mixed. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.; oz. \$1.50.

Single Blue Emperor. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.

Single Mixed. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.; oz. \$1.

Giant Sweet Sultans (*Centaurea imperialis*)

These are wonderful flowers for cutting—long-stemmed, exquisitely fringed, most graceful in appearance, and delightfully fragrant. The most beautiful colors are found among them. For fine flowers make successive sowings two weeks apart during May and June. They do well in a rich, loose soil thoroughly prepared. Cover seeds $\frac{1}{4}$ inch. Ht. 2 to 3 ft.

Imperialis. Amaranth Red, Rose, White, Lavender, Lilac, Purple, or Mixed Colors. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Various *Centaureas*

Americana. The thistle-like flowers, often 4 inches across, are deep lavender. Plants should be placed at least 1 foot apart. Ht. 3 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

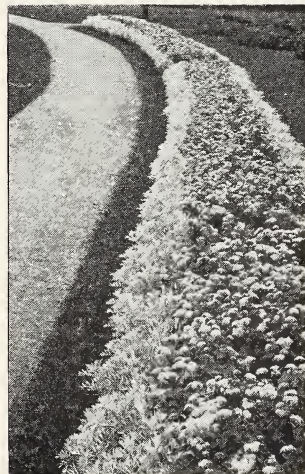
Suaveolens (Yellow Sweet Sultan). Very showy, large, bright yellow, sweet-scented flowers used extensively by the florist as a cut-flower. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

White-leaved *Centaurea* • Dusty Millers

These are largely used for edging of beds or borders of the flower-garden. The glistening white foliage, with bright coleus, salvia, or red canna, is very striking. Ht. 1 to $1\frac{1}{2}$ ft.

Candidissima. Rapid-growing annual grown only for its lanced silver-coated foliage. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Gymnocarpa. Silver fern-like leaves. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.



White-leaved *Centaurea*



Single Annual Chrysanthemums, Tricolor



Clarkia elegans

Chrysanthemums

There are two very splendid, seldom-seen annuals on this page. Clarkia makes one of the finest cut-flowers we know, and the curious Giant Spider Flower or Cleome is superb when established in open places in the shrubbery or perennial border where it may reseed itself.

These bloom profusely from early summer until frost, and make a splendid show in large beds. Sow seeds early indoors and transplant; or sow later where the plants are to flower, and thin seedlings to 10 inches apart. Pinching back in early growth makes plants bushy. For Hardy and Fall Flowering varieties, see Perennial List.

Single Varieties

The plants average 2 feet in height, and bear their daisy-like flowers in great profusion on strong stems.

Morning Star. Petals canary-yellow, with halo of deeper yellow; disc dark yellow. Pkt. 15 cts.

Tricolor, Mixed. Daisy-like blooms with two zones of deeper colors surrounding center disc. Pkt. 15 cts.

Double Varieties

These do not resemble the very double florists' Chrysanthemums but are full-petaled, with large open center.

Coronarium. Full-centered with many petals. Ht. 15 in.

Double White, Yellow, or Mixed Colors. Pkt. 15 cts.

Clarkia

This pretty annual, of easy cultivation, succeeds well in any garden soil, either in sun or shade, growing 2½ feet high, with sprays of double flowers. They are especially attractive in masses, and fine for outdoors. Sow indoors in April.

Elegans, Double. These flowers resemble long sprays of cherry-blossoms and are welcomed as cut-flowers. If cut before fully developed, they last unusually well.

Carmine Queen **Purple Queen** **Scarlet Queen**

Chamois Queen **Salmon Queen** **White Queen**

Vesuvius. Double flowers of orange-scarlet. Mixed.

Each, pkt. 15 cts.; ¼oz. 50 cts.



Cleome pungens

Cleome • Giant Spider Flower

Pungens, Rose Queen. A quick-growing annual with light, curious flowerheads of a bright rose color. The individual flowers hang gracefully on slender, thread-like stems resembling spiders' legs. Sow seed outdoors in April, thin to stand 2 feet apart. Ht. 4 ft. Pkt. 10 cts.; ¼oz. 50 cts.



A beautiful planting of Tall Late Mammoth-flowering Cosmos

Cosmos

A hardy and rapid-growing annual, forming bush-like plants 4 to 7 feet high, with feathery green ornamental foliage, covered with large flowers somewhat resembling the single dahlia. For ordinary culture, sow outdoors in April in rather light soil, not too rich, and preferably in a sunny situation. Cover the seed with from $\frac{1}{4}$ to $\frac{1}{2}$ inch of fine soil firmly pressed down. If planted in rows, make the rows about 2 feet apart, and thin to stand about 1 foot apart in the row. If more bushy growth is desired, pinch off the tops of the plants when 1 foot high.

Dwarf Early Summer-flowering

This early-flowering strain grows about 4 feet high, and blooms profusely four weeks earlier than the large sorts. The flowers are not as large as the Late Mammoth-flowering. White, Pink, Crimson, or Mixed. Each, pkt. 15 cts.

Tall Late Mammoth-flowering

These tall, graceful plants are most effective when planted in broad masses along background borders against evergreens or shrubs. The gigantic flowers, borne on long stems, and the feathery foliage lend themselves to graceful arrangements for bouquets. Blooms from late August until frost. Ht. 5 to 7 ft. White, Pink, Crimson, or Mixed. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 35 cts.

Early Double-flowering

This type of Cosmos has real double flowers about $1\frac{1}{2}$ inches in diameter, resembling an anemone-flowered chrysanthemum. The plants grow to a height of about 4 feet, forming a perfect bush, massed with bloom. They come about 65 per cent double from seed and bloom in 70 days from the day seed is sown. Seed sown in late April will be in bloom by July 4, and continue until frost. White Snowball, Eureka Pink, Eureka Crimson, or Mixed. Each, pkt. 25 cts.; $\frac{1}{8}$ oz. 75 cts.

Late Double-crested Flowering

Particularly effective flowers for cutting. About 65 per cent of the seedlings bear beautifully formed flowers with full-double centers and an outer row of guard petals resembling the anemone-flowered chrysanthemum. They bloom from early August until frost. Ht. 5 ft. Crimson King, Pink Beauty, White Queen, or Mixed. Each, pkt. 20 cts.; $\frac{1}{8}$ oz. 60 cts.



Single Cosmos

While the early types are pretty, the real aristocrats of the Cosmos family are the gigantic, late-blooming varieties which sometimes run a race with the first frosts.

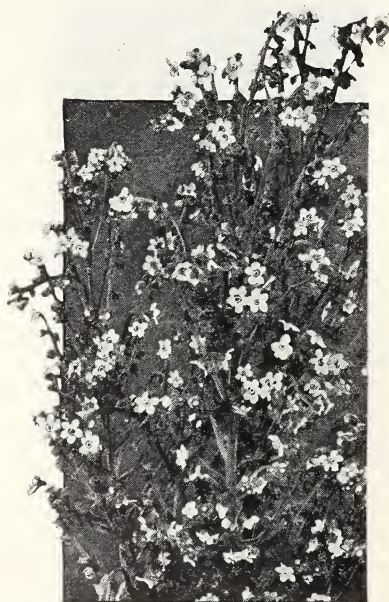


Double Cosmos



Mignon Dahlia Hybrids

The Chinese Forget-me-not is very effective when interplanted with the tall or half-dwarf Snapdragons of pale pink, apricot, or light yellow shades. Its graceful blue sprays provide just the right degree of lightness to set off the heavier blooms of the Snaps, either in the garden or in vases. It works well with gladiolus and other flowers, too.



Chinese Forget-me-not



Bed of Mammoth Rainbow Coleus

Coleus • Flame Nettle

The finest colored, most attractive annual foliage plants for house or garden. Sow indoors in March. When 8 inches high, pinch out center to make plants bushy. Ht. 1 to 1½ ft. **Mammoth Rainbow Mixture.** The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled. Their color combinations are remarkably rich. The plants bear pretty racemes of blue flowers. Pkt. 25 cts.

Fine Mixed. Not as large-leaved as the above. Pkt. 15 cts.

Cynoglossum • Chinese Forget-me-not

Amabile. An annual of the easiest culture, forming strong, bushy plants 1½ feet high and producing sprays of intense blue forget-me-not-like flowers throughout the summer. Unsurpassed for massed blue bouquets. Highly desirable, as blue flowers of this shade are scarce. Sow outdoors in May. **Blue or White.** Each, pkt. 25 cts.; ¼ oz. \$1.

Dahlia

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed. Ht. 3 to 5 ft.

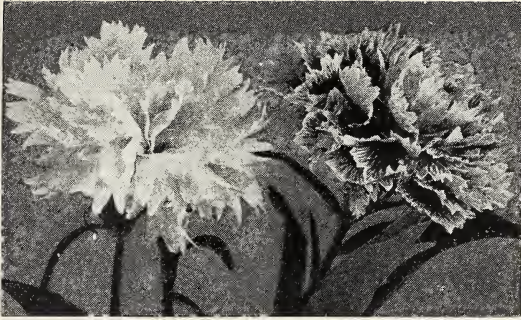
Cactus Dahlia Varieties, Mixed. Pkt. 35 cts.; ¼ oz. \$1.25.

Giant Single Perfection Mixed. Of strong, robust habit, flowers of immense size, in a bewildering variety of color. These are very interesting to grow. Pkt. 25 cts.; ¼ oz. \$1.

Giant Double-flowering Select Mixed. A selection of varieties having unusual grace and comprising the best types and colorings. Pkt. 50 cts.; ¼ oz. \$2.

Mignon Hybrids. In less than three months from seed the dwarf, compact plants will hold a wealth of bloom which will continue until frost. The flowers, resembling the well-known single Dahlias, are held erect on long, stiff stems well above the foliage. They are admirable for cut-flowers and come in deep crimson, delicate pinks and rose, mauves, various shades of scarlet and purple, in yellow and in white. The plants, 2 feet high, are suited to bedding. Pkt. 50 cts.

Select Exhibition Dahlia Seed. This seed has been selected with the greatest care by an eminent Dahlia originator from parent plants which produced such fine varieties as Jersey Beauty, Elite Glory, Elite Peach, Jersey Beacon, Eagle Rock Beauty, Eagle Rock Gem, Jersey Masterpiece, Violet Wonder, Sanhican Nymph, and Trentonian. From this seed, you may get a true plant of any of these or beautiful variations. Pkt. \$1.



Dianthus, Wonderful

Dianthus · Double Annual Pinks

These are strong, sturdy growers, blooming from early summer until fall. They require a moderate amount of sunshine but will thrive almost anywhere. The seed may be sown in April or September, and transplanting, if necessary, should be done while the plants are quite small. For hardy varieties see Perennial List.

Chinensis, Double Mixed (China, or India Pinks). These bloom in clusters, with very double flowers in a large range of bright colors. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Fireball. Very beautiful, extra-double, brilliant dark scarlet flowers. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

White Frills. A beautiful strain of pure white Double Fringed Pink having very double flowers with laciniated petals. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Wonderful (Double Fringed Pink). Large flowers on stiff, upright stems. The petals are deeply cut and range from white to rose and purplish red. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Didiscus · Blue Lace Flower

Cærulea. This pretty and interesting annual, with its lovely, refined appearance and color makes an instant appeal. It grows into an upright, very much-branched plant about 2 feet high, each branch ending in an umbel of sky-blue flowers which resemble, in their quaint and artistic arrangement, the most delicate and dainty lace. An easily grown and a splendid cut-flower, lasting unusually long in water. Sow seed indoors in March or sow outdoors in a well-prepared seed-bed when trees are out in leaf. Water copiously during hot weather. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

Dimorphotheca · African Golden Daisy

A South African introduction that has become instantly popular. Rather dwarf in growth (12 to 15 inches high), the foliage remains nestled to the ground, while the innumerable flower-stems appear continuously all summer. They are thin and wiry and hold erect a daisy-like flower, 2 to 3 inches across, with very narrow, long petals, curving upward, thereby giving the flower a most interesting appearance. Both in the garden and when cut, the flowers will close up toward evening and reopen freshly the next morning. Sow seeds indoors in March. It blooms very quickly and remains a blaze of color until frost. It delights in sunny situations.

Aurantiaca. Golden orange, with dark disc. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

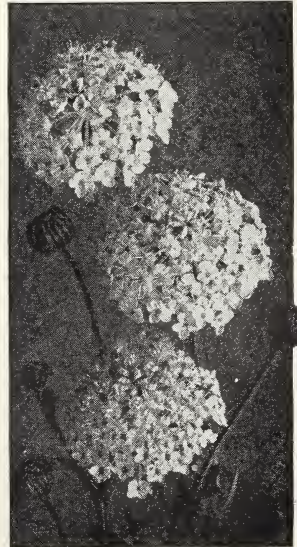
Aurantiaca Hybrids. Varying in color from white to blush-white, lemon-yellow to reddish yellow, pale salmon to golden orange. This is a rare and interesting annual. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Salmon Beauty. A large-flowering African Daisy of a pleasing true salmon shade, a welcome color addition to this popular flower group. The plants are compact and provide very freely over an extended period delightful flowers for cutting. Pkt. 25 cts.; 5 pkts. \$1.

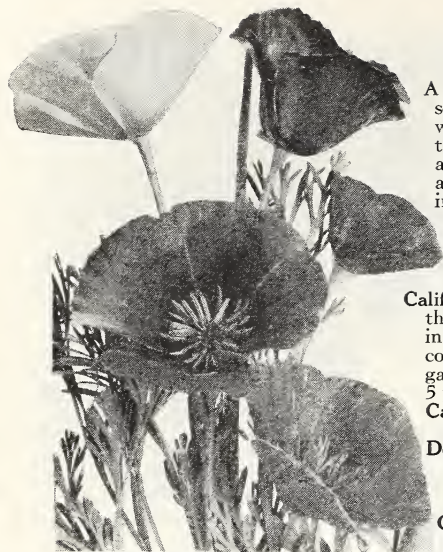


Dimorphotheca

Possibly there are no flowers which will provide the interest and amusement afforded by mixed Chinese Pinks. It is great fun to go along a bed of them comparing their designs and markings—scarcely any two alike, as infinitely varied as snowflakes, and yet all equally pretty and charming.



Didiscus cærulea



Hybrid California Poppy



Snow-on-the-Mountain



Globe Amaranth

Eschscholtzia · California Poppy

A very interesting and popular annual, readily grown from seed sown outdoors in March or September in the spot where they are wanted and simply thinned out. The beautiful lace-like foliage covers the entire growth a foot high and has a silvery sheen. The cone-shaped poppy flowers appear on fairly long stems from June until frost without interruption. If the flowers are cut early in the morning while they are closed-up buds, they will last fully two days in water.

California (California Poppy). Single orange flowers. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

California Hybrids Mixed. The improvement represented in this new strain will be a revelation. The single flowers come in lovely new shades, including soft pink, scarlet, chrome, copper-red, claret, and royal purple, which bring to the garden the color of the western canyons. Pkt. 25 cts.; 5 pkts. \$1.

Carmine King. Beautiful single flowers in carmine-rose. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Double Rose. This is an unusually good strain of a light rose California Poppy, quite true to color, with large, fluffy very double flowers. It will make a bright color-spot in your garden. Pkt. 25 cts.; 5 pkts. \$1.

Golden West. Bright yellow, single flowers with dark orange at the base of the petals. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Pure White. Large, single flowers; sage-green foliage. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Fine Mixed. Single flowers in a wide range of colors. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Euphorbia

Strong-growing annuals, suitable for beds of tall-growing plants or mixed borders. The foliage is exceedingly ornamental. Sow outdoors in April.

Variegata (Snow-on-the-Mountain). Elegant, bushy plants, with broad green leaves, veined and margined with white. Attractive in foliage groups. Ht. 2 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Heterophylla (Annual Poinsettia; Mexican Fire-Plant). An annual, bushy plant, with highly ornamental leaves, which in summer and autumn become dark fiery scarlet. Ht. 2 to 3 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Everlasting Flowers

These were great favorites with our grandparents and are today as popular as ever. The Straw Flower (*Helichrysum*) is perhaps better known than the other sorts listed, but all are fully as interesting for giving variety to dried winter bouquets. These make fine gifts from your own garden to your friends. The drying is a simple operation: cut before fully expanded, bunch like sweet peas, and hang on a line upside down in a cool, dark, dry room. It takes ten days. Sow seed indoors in March; outdoors in May, in a sunny spot.

Acroclinium, Mixed. Pretty white and rose, daisy-like flowers, so desirable for winter bouquets. Ht. 1 ft.

Globe Amaranth, Mixed (*Gomphrena*). Flowers of white, pink, rose, and purple, like heads of clover, but are Straw Flowers. Ht. 1 ft. We also offer this in two separate colors, **Orange** and **Red**.

Helichrysum monstrosum, Mixed (Straw Flower). Ht. 2 ft. For separate colors see Alphabetical List.

Rhodanthe, Mixed Colors. Neat, slender plants with silvery leaves and dainty lavender, pink, and white flowers like inverted cones. Ht. 1 ft.

Xeranthemum annuum, Mixed. Showy rose, purple, and white daisy-like flowers with an outer corolla and a cup in the center.

Each of the above, pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

COLLECTION: 25 kinds of Everlasting Flowers for \$1.25

Four o'Clock • Marvel of Peru

This is another good old-fashioned annual flower of bushy habit, bearing hundreds of white, yellow, crimson, and violet flowers during the season. Very charming when used as a hedge plant, with its glossy foliage very closely set and dotted all over with flowers in the afternoon. Ht. 2 ft. Sow seed outdoors in April in a bright, sunny location.

Fine Mixed. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.

Gaillardia • Blanket Flower

A splendid garden border plant and excellent for cutting. The large, highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length. The seed may be sown in the garden as soon as the ground is fit to work in April, and the plants thinned out to stand about a foot apart. For hardy varieties see Perennial List.

Lorenziana, Double Mixed. Very attractive double flowers of unusual ball form, in a great variety of bright colors, borne from midsummer to frost. Fine for bedding and one of the best for cutting. Ht. 1 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Salmonea. Large, single, salmon-red flowers with deep crimson centers; very showy and nice for cutting. Ht. 2 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.



Four o'Clock

Globe Amaranth. See Everlasting Flowers

Godetia • Satin Flower

Azalea-flowered, Mixed. Resembles the Azalea both in form and color. The plants grow 1 foot high and bloom in great profusion for six weeks. Excellent for massing and cutting. They do best in a rather poor soil. Sow outdoors in April in partial shade. Pkt. 25 cts.; 5 pkts. \$1.

Carminea. This is a very desirable color for cutting—a clear carmine-pink with a very striking marking, and will make the Azalea-flowered Godetia more popular. This strain is more double in type and more Azalea-like.

Tall. This type grows about $2\frac{1}{2}$ to 3 feet high. Pkt. 25 cts.; 5 pkts. \$1.

Dwarf. Of lower habit, growing 18 to 20 inches high. Pkt. 25 cts.; 5 pkts. \$1.



Gaillardia
Lorenziana

Ornamental Grasses

Specimen plants, or entire beds of harmonious varieties are interesting. They do best near water, being valuable for cutting and may be preserved for winter bouquets.

COLLECTION: 12 named varieties, 50 cts.

Gypsophila • Baby's Breath

Feathery panicles of tiny star-shaped flowers, gracefully and daintily borne on slender stems. A charming effect may be had by mixing sprays of Baby's Breath with other long-stemmed cut-flowers. Sow seed outdoors in April. See Perennial List for hardy varieties.

Elegans, Crimson Gem. Those who know the beauty of the White Baby's Breath in bouquet arrangements will appreciate this new strain. It has a charming, bright rosy-crimson color and contrasts beautifully in bouquets of large white or blue flowers. Pkt. 35 cts.

Elegans alba grandiflora, Covent Garden Market Strain. Larger-flowering, pure white form, of free, easy growth. Several sowings should be made during the season to keep up a supply. Pkt. 10 cts.; $\frac{1}{2}$ oz. 35 cts.

Elegans rosea. A pretty blush-pink form of the above and equally as valuable for cutting. Pkt. 10 cts.; $\frac{1}{2}$ oz. 35 cts.



Gypsophila alba grandiflora



Helichrysum



Regale Heliotrope

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets.

To grow unusually large flowers, disbud as you would with dahlias, allowing only one bud to remain on each stem.

Helianthus · Sunflower

Prized for cutting, the tall sorts are largely used in the perennial border; the dwarf sorts make good edgings for the tall. Remarkable for the stately growth, size, and brilliancy of their flowers, making a very good effect among shrubbery and for screens. Sown on a sunny spot in April or May, they bloom from early summer until cut down by frost.

Cucumerifolius, Orion. A miniature Sunflower with golden yellow flowers having dark centers. The petals are twisted like a cactus dahlia. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Double Chrysanthemum-flowered. Rich golden yellow, very double flowers. Ht. 7 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Maroon Prince. The best dwarf-growing strain of red Sunflower with single flowers of true maroon, well shaped and attractive. Ht. 3 to 4 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Large Single Russian. The old-fashioned Sunflower. Ht. 5 to 8 ft. Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

Helichrysum · Straw Flower

One of the best of the "Everlastings." They succeed in any good garden soil. The large, double flowers of rich, glittering colors make a fine display in beds or borders, but are especially grown to dry for winter use in baskets and vases. Helichrysum should be planted in May, about 12 to 15 inches apart, giving room to develop. **Salmon-Pink, Fireball, red; Golden Ball, yellow; Violet Queen, Rose Queen, Silver Ball, white.** Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.; oz. \$1.50.

COLLECTION: One pkt. each of above 6 colors, 75 cts.

See Everlasting Flowers for other varieties

Heliotrope

A half-hardy plant, flowering during the whole season. Its delightful perfume makes it a most desirable bouquet flower. Useful for bedding and for pots and window-boxes. It prefers a cool, moist atmosphere and a rich soil. The seeds may be sown in pots in early spring and transplanted to the open in late May. Plants that are pruned back in late summer may be potted up in the fall for winter blooming indoors. Ht. 2 ft.

Regale. A dwarf giant-flowered sort with large masses of bloom. Pkt. 35 cts.; 3 pkts. \$1.

The Book of Annuals. By Professor A. C. Hottes. Helpful, illustrated guide to the handling of annual flowers and vines. Gives the description, arrangement, use, and culture of each. 182 pp. cloth, \$1.50.



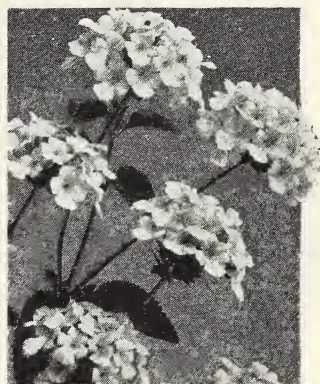
Double Sunflower



Yellow Tulip Poppies



Kochia (Summer Cypress)



Lantana Blooms

Everblooming Hollyhocks

A new strain which flowers the first year from seed. In every way the same as the hardy varieties with the additional advantage of a long blooming period. Seed sown under glass in March will produce flowers in July and continue until frost. The same range of colors as in the perennial varieties. Ht. 5 ft. For hardy varieties see Perennial List.

Single Annual, Mixed Colors. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Double Annual, Mixed Colors. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Hunnemannia • Yellow Tulip Poppy

Fumariæfolia. This very beautiful plant forms a shrubby bush with finely cut, glaucous foliage like the California poppy, and produces large, tulip-shaped flowers on long, stiff stems, from August to November. In color they are a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in May, in shallow drills where the plants are to bloom. Ht. 2 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Impatiens

Useful house-plant, with bright waxy flowers continually.

Holsti. Excellent for half-shaded location. Bears handsome, brilliant, cinnabar-red, waxy blooms all season. The flower is $1\frac{1}{2}$ inches in diameter and is a native of East Africa. Used as a house-plant, it blooms continuously. Pkt. 25 cts.

Sultani Hybrids. A strong grower, $1\frac{1}{2}$ to 2 feet tall, bearing continuously brilliant, rosy scarlet blossoms $1\frac{1}{2}$ inches across, which contrast with the bright green foliage. A rare house-plant. Sow outdoors in April. Pkt. 25 cts.

Kochia

Trichophylla (Summer Cypress). A pretty half-hardy foliage plant, 2 to 3 feet high, which grows into an oval, cypress-like bush, with small, feathery, light green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. Excellent for edging or hedging. Sow outdoors in May. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.

Lantana

Half-hardy greenhouse or bedding plants, constantly in bloom, bearing miniature, verbena-like heads of orange, white, and rose. Start seed indoors early.

Dwarf Bedding Hybrids. Excellent for bedding and pot culture. Will bloom freely all summer. Pkt. 15 cts.; $\frac{1}{4}$ oz. 60 cts.



Double Annual Hollyhocks



Emperor Branching Larkspur

The new colors of the Giant Hyacinth-flowered Larkspur are not only very rich but very interesting.



Lobelia, Crystal Palace Compacta



An attractive bed of Larkspur

Larkspur • Annual Delphinium

These tall, showy plants bloom freely during the summer months. The bright and attractive flowers, in shades of blue, rose, violet, and white, are fine for cutting. Seeds sown outdoors in April will flower by July and continue until frost. Thin out early to stand a foot apart. For perennial varieties, see Delphinium in Perennial List.

Giant Hyacinth-flowered. Grows 4 to 5 feet tall, with flower-spikes 18 to 24 inches long, in new and exquisite shades. Chocolate, Red-Grey, Tile-Red, White tinted Blue, Indigo. Each, pkt. 25 cts. **COLLECTION:** One pkt. each of the 5, \$1.

Emperor Branching

This grand type of Annual Larkspur grows about 2 feet high and is of candelabra habit. Rose, White, Blue, Violet-Purple, and Mixed. Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Pink Delight. A new dwarf variety of delicate soft pink, shaded salmon. Pkt. 25 cts.; 5 pkts. \$1.

Tall Double Stock-flowered

Candelabra-like trusses of beautiful flowers for cutting and tall borders. Vigorous, early and free-blooming. Ht. 3 ft. Dark Blue, Sky-Blue, Lilac, Shell-Pink, Pure White, and Mixed. Each pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

La France. This bids fair to become the most popular of the annual Larkspurs. Its pleasing salmon-pink, a new shade in the stock-flowered class, will be much prized both for show purposes and for cutting. Pkt. 35 cts.

Lavatera • Annual Mallow

Splendens. Beautiful and showy annual, 2 feet high, producing profusely the entire summer, large, cup-shaped flowers. Sow outdoors in May and thin to 1 foot. Bright Rose or Pure White. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Lobelia

Exceedingly pretty, profuse-blooming plants for the garden and for hanging-baskets. These bloom very quickly from seed and flower all through the season. Sow indoors in March, and thin moderately; or transplant several inches apart in rich soil. Ht. 6 in. For Cardinal Flower see Perennial List.

Crystal Palace Compacta. Rich deep blue; dark foliage. The finest variety for bedding. Ht. 6 in. Pkt. 15 cts.; $\frac{1}{8}$ oz. \$1. **Gracilis, Blue.** Light blue flowers; bright green trailing foliage. Pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.

Oculata. Pretty dark blue flowers with white eyes. Ht. 6 in. Pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.



Annual Lupine

Lupinus • Lupine

Free-flowering, easily-grown, with long, graceful spikes of rich and various-colored pea-shaped flowers. Valuable for mixed borders, beds and for cutting. Sow in the open in May and thin out, leaving about 1 foot between the plants. They bloom from June until September. Do not transplant. Ht. 2 ft. See Perennial List for other varieties.

Hartwegi. Blue, White, Rose, or Mixed. Each, pkt. 10 cts.
Sulphur-Yellow. A charming new shade. Pkt. 25 cts.; 5 pkts. \$1.

Marigold • Tagetes

The French have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous-flowered ones, in very showy orange and lemon shades. They bloom profusely all summer. Start the seed indoors, early in April, or outside when the weather is warm. Fine as cut-flowers and for beds.

Double African

Prize Strain. Because of its great improvement, this very excellent strain was given an Award of Merit by the Royal Horticultural Society. It produces bushy plants 2½ feet high, with enormous flowers, measuring 4 to 5 inches across, of great substance. **Prize Strain Orange** and **Prize Strain Lemon.** Each, pkt. 35 cts.; 3 pkts. \$1.

Orange Prince (orange), **Lemon Queen** (yellow), or **Mixed.** Ht. 2½ ft. Each, pkt. 10 cts.; ¼oz. 50 cts.

French

Double Dwarf Gold-striped. Beautifully striped. Ht. 10 in.
Double Dwarf Golden Ball. Pure golden yellow. Ht. 10 in.
Double Dwarf Dark Brown. Beautiful red-brown. Ht. 10 in.
Double Dwarf Mixed. The finest assortment. Ht. 1 ft.
Legion of Honor (Little Brownie). A single Marigold of great beauty, bright yellow blotched with brown. Ht. 9 in.
 Each, pkt. 10 cts.; ¼oz. 50 cts.

Matricaria • Feverfew

These are free-flowering, fine for bedding or for pot culture. They bloom until cut down by frost. Ht. 2 to 3 ft.

Double White. Masses of double white flowers. Pkt. 10 cts.

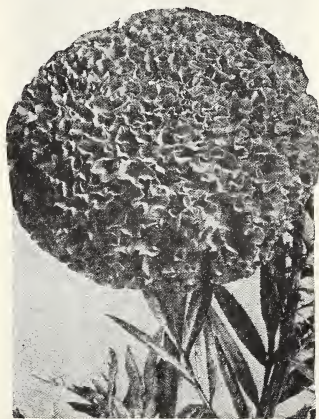
Matthiola

Bicornis (Evening-scented Stock). These delicate lilac flowers resemble the Ten-Weeks Stock and are delightful for their fragrance. Sow indoors in March. Ht. 1 ft. Pkt. 10 cts.



French Marigolds

French Marigolds are superb edging plants, making dense little bushes covered at all times with their showy little flowers. They are easy to transplant and a reserve supply may be raised to fill in places where other plants have failed.

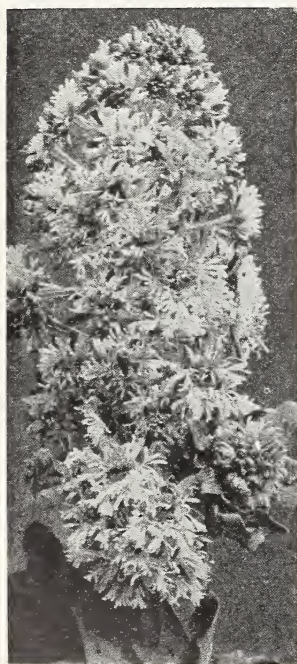


Double African Marigold



Myosotis (Forget-me-not)

Forget-me-nots are pretty in the rock-garden and transplant so easily when in full flower that a large reserve supply of them may be kept to move into places where other earlier flowers have passed out of bloom.



Defiance Mignonette



Mesembryanthemum crystallinum

Mesembryanthemum • Ice Plant

Crystallinum. Pretty, trailing, summer half-hardy annual for vases, hanging-baskets, and rock-work. Leaves covered with ice-like drops; flowers white. Sow indoors in March. Ht. 6 in. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Tricolor. Cerise-flowering sort. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Mignonette • Reseda

Its sweet, delicate fragrance makes this a favorite annual in every garden. Sow in May in the borders or any sunny spot where plants are to remain. It is also grown in pots for winter and early spring flowering. Mignonette prefers a medium light, loamy soil, with only a moderate amount of moisture.

Bismarck. An extra-select, mammoth-flowering strain. Florets reddish green. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Defiance. This gorgeous Mignonette is delightfully fragrant, with spikes from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming graceful compact spikes which can be kept three weeks after cutting, retaining their grace and fragrance until every bud has opened. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Machet, Giant-flowered Selected. A dwarf, vigorous French variety, with broad spikes of very fragrant reddish flowers. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Old-fashioned Sweet-scented. Dwarf, with many small spikes of extremely fragrant blossoms. Pkt. 10 cts.; oz. 50 cts.

Mimulus

A useful window and pot-plant, or for garden in a moist, shady situation. Blooms first year from seed if sown indoors March to April. Ht. 6 to 12 in.

Moschatus (Musk Plant). Fragrant plant with small, yellow blooms. Pkt. 15 cts.

Tigrinus (Monkey Flower). Large spotted flowers of several colors. Pkt. 15 cts.

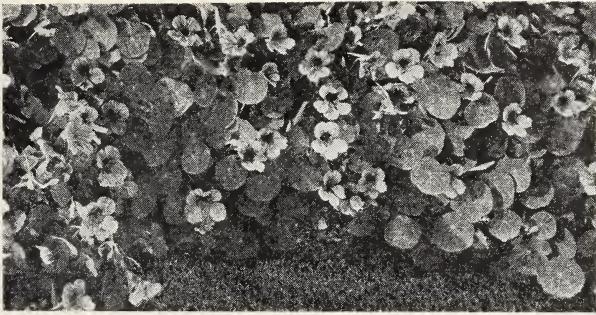
Myosotis • Annual Forget-me-not

Lovely little plants for moist and shady situations. Sow in March for April bloom or early summer for blooming later. Lift the plants in fall and pot for winter use. For hardy varieties see Perennial List.

Alpestris. Dwarf, compact, and much-branched, with large, bright flowers. It flowers ten weeks after sowing. Blue, White, Rose, or Mixed. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Alpestris, Victoria. Of dwarf, compact growth, with long sprays of bright flowers, produced in dense umbels. Ht. 6 in. Blue or Rose. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Ruth Fischer. The finest and largest, producing flowers up to $\frac{1}{2}$ inch in diameter, of true Forget-me-not-blue. Plants of strong, vigorous growth, exceptional for pot culture and spring bedding. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$2.



Border of Dwarf Nasturtiums

Nasturtium • Tropaeolum

The Nasturtiums deserve every bit of their immense popularity, for they will grow anywhere and produce an amazing number of brightly colored flowers for cutting. The tall or trailing varieties grow quickly and are most useful for screening unsightly fences and quickly covering waste spots. The dwarf sorts are fine for edging and massing. Gorgeous solid effects can be obtained by planting the separate colors. Sow the seed in the open ground in April.

Forbes Superb Dwarf Salmon, Scarlet, Crimson, Yellow, Cream, and Mixed. Each, pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Forbes Superb Tall Salmon, Scarlet, Crimson, Yellow, Cream, and Mixed. Each, pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Nemantirrhinum

This interesting annual is the result of a cross between *Nemesia strumosa* and Tom Thumb Antirrhinum. It has the character of the Snapdragon but embraces all of the colors of the *Nemesia* in combinations of yellow mottled brown, yellow tigered with red and pink, and white suffused with purple and carmine. The flower-spikes are very compact.

Erectum Mixed. The plants of this strain grow 12 to 15 inches high and as they bloom all summer they are fine for bedding purposes. Pkt. 50 cts.

Gracillimum. These are dwarf, compact plants about 8 inches high, with rich violet-purple blooms. Pkt. 50 cts.

Nemesia

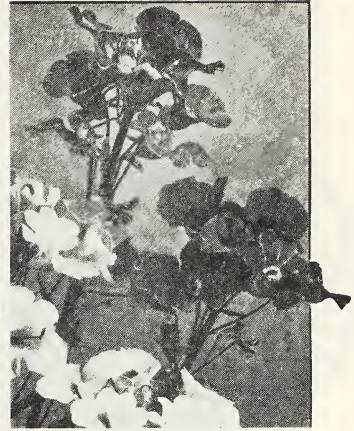
Strumosa, Sutton's Hybrids. Flowers are $\frac{1}{2}$ inch across and are borne in great profusion. The color ranges from white through pale yellow and rose, to orange and crimson with numerous intermediate shades and a great variety of throat markings—16 colors in all. This South African plant is 2 feet high and blooms from June to September. Start the seed indoors in March and set plants out in May. This is a bedding annual suited for shady locations and for pot culture. Pkt. 25 cts.; 5 pkts. \$1.

Nicotiana • Flowering Tobacco

Beautiful border plants easy to grow from seed, used for pots and boxes. They do best on a deep, loamy soil and in a sheltered situation. Start the seed indoors in March, although late spring and fall sowings give good results. Ht. 3 ft.

Affinis Hybrids. Brilliant colors, including pink and red shades in addition to pure white. In full flower every sunny day from June until cut down by frost. Clusters of trumpet-shaped, sweet-scented flowers on tall stems above the luxuriant foliage. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

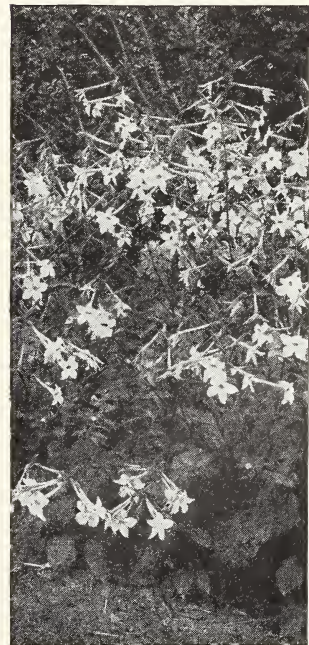
Affinis. The pure white form. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.



Nemesia strumosa

Black-Leaf 40

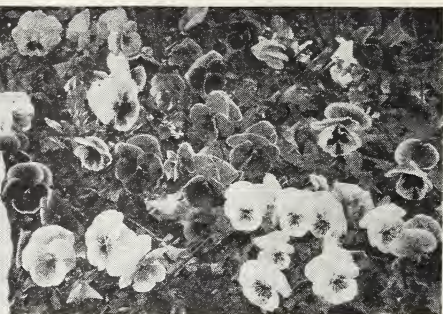
is indispensable for the destruction of black aphids or lice which sometimes come on Nasturtiums. One teaspoonful to 1 gallon of water, sprayed on the plants with regularity, will completely check these pests.



Nicotiana affinis



Forbes Big
Beauty Pansies



Nigella • Love-in-a-Mist

The seed-pods of some are curiously horned; and the black seeds are aromatic. Easily grown annual, blooming all summer. Ht. 15 in. Sow outdoors in April.

Miss Jekyll. Bushy plants, with clear cornflower-blue flowers of large size, surrounded by slender, mist-like foliage; lovely for cutting. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Pansies may be sown in August or September and the plants set in a coldframe or wintered over in the open ground with hay protection or by hilling. They will bloom very early in the spring. If old plants are moved to the frame in autumn, an abundance of lovely flowers may be cut on sunny days in midwinter.



Nigella, Miss Jekyll

The Finest Pansies

After careful comparison of the seed strains from all available sources, we thoroughly endorse these mixtures and highly recommend them as the best available.

FOR SEED-BED CULTURE. Use 6 inches of clean, pulverized soil, covered with 1 inch of compost. Over this spread $\frac{1}{2}$ inch best soil and roll smooth. Saturate bed deeply. Sow seed and cover lightly with clean sand. Keep surface continually moist but not soggy. Never allow it to dry out. Dust surface with sulphur or use Semesan to prevent damping-off. During germination, shade bed with lath or muslin sheeting and ventilate to avoid having a temperature of over 75 degrees. Set plants out when showing three to four leaves.

Forbes Big Beauties. These are gigantic blooms, the largest of all, on strong, stocky, compact plants of exceptional vigor. A wonderful array of color combinations—bronze, silver, gold and copper; wine-red, pink, salmon, silver-grey, brown—beautifully blotched, mottled, and bordered—in these colors so unusual in Pansies. The flowers, often 4 inches across, are perfectly formed and held above the plants on very long, stout stems. Pkt. 75 cts.; $\frac{1}{8}$ oz. \$1.75.

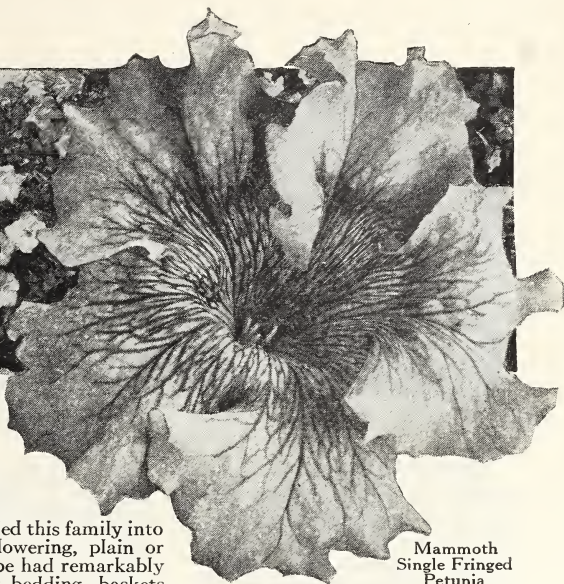
Cassier's Blotched. Large, round flowers of bright colors, with a distinct dark blotch at the base of each of the five petals. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.25.

Masterpiece. (Frilled.) Elegantly frilled and curled, and rich in mauve, red, and velvety brown. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.25.

Non Plus Ultra. Besides a good share of strains, such as Masterpiece, Bugnot, and Cassier, this mixture contains all the self colors such as white, yellow, blue, purple, red, bronze, etc. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.25.

Swiss Giants. The flowers of this strain are enormous, over 3 inches across, perfectly round with overlapping petals, borne well above the foliage. It includes many new combinations—salmons pinks, reds, and no self colors. All flowers are three or five-blotched. Pkt. 50 cts.; $\frac{1}{8}$ oz. \$2.25.

Trimardeau Giants. Flowers of giant size with round, overlapping petals. The compact plants are vigorous and free-blooming. In separate colors: Light Blue, Dark Blue, Yellow and Purple, Golden Yellow, Indigo-Blue, Jet Black, Lavender, Mauve, Purple, Ruby Shades, and Mixed. Each, pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.



Petunias

Wonderfully vigorous and free-flowering, thriving on any soil and in the hottest weather. Ingenious hybridizing has multiplied this family into many diverse forms. Single and double-flowering, plain or fringed petals, tall or dwarf growth may all be had remarkably true from seed. Petunias are valuable for bedding, baskets and window boxes. The seed may be started indoors in February or March or sown in the open in early May. Handle the seed very carefully as it is very fine.

Mammoth
Single Fringed
Petunia

Balcony Petunias

Free-blooming, trailing in growth, with single flowers 3 inches across. Particularly suited for hanging-baskets, porch-boxes, etc., and showy in beds.

Balcony White, Rose, Crimson, or Mixed.

Balcony Blue. An outstanding variety, with large flowers of a beautiful, clear violet-blue color.

Each, pkt. 25 cts.; $\frac{1}{2}$ oz. \$1.50

Giant-flowering Fringed Petunias

The individual beauty of these mammoth Petunias makes them highly desirable. They are easily grown from seed sown in pots indoors about February or March and transplanted to the garden later. The seed is extremely fine and should be covered very lightly.

Single Varieties

Whether desired for bedding, cutting or general display, these are the finest varieties of the Fimbriata, or fringed large-flowering class.

Dwarf California Giants. This wonderful strain of Petunias produces very dwarf, compact plants only 4 inches high.

The huge, fringed single blooms are beautifully veined on self-colored grounds. This is unquestionably the finest single fringed Petunia for pot-culture. Pkt. 75 cts.

Mammoth Single Fringed White, Rose, or Crimson. Each, pkt. 25 cts.

Mammoth Single Fringed Mixed. A mixture of best fringed varieties including many new shades. Pkt. 25 cts.

Double Varieties

Seed saved from the most carefully hybridized flowers produces only 30 per cent of double-flowering plants. Save the weaker seedlings, as these produce the finest flowers.

Double Fringed Prize Giant White, Rose, or Crimson. Each, pkt. 50 cts.

Double Fringed Prize Giant Mixed. Pkt. 50 cts.

Be sure to save the weakest and most unpromising seedlings of the Fringed and Double Petunias. These weaklings are the ones which will produce the finest flowers. With a little encouragement they will grow quickly into strong, sturdy, and productive plants bearing flowers of magnificent size and color.



Petunia Bed



A nice planting of Single Bedding Petunias

One of the prettiest combinations in the garden is one of the Pink Petunias, Rosy Morn or Rose of Heaven, grown with ageratum. The combination of soft shades of blue and pink is exquisite. Those who like scarlet geraniums will find white Petunias a perfect foil for them. Violet Queen looks exceptionally well combined with sweet alyssum, but perhaps the most interesting way to grow Petunias is in a kaleidoscopic mixture of all varieties.



Phlox Drummondii

Single Bedding Petunias

Dwarf, neat, compact bushes covered with a multitude of small flowers all summer, valuable for edging and bedding.

Special Dwarf Bedding, Mixed. Very showy little flowers blooming profusely on compact bushy plants. Ht. 10 in. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Howard's Star. Rich crimson, with distinct white star in center. Ht. 10 in. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Rose of Heaven. This excellent variety has real outstanding merit. The plants are dwarf, compact, and free-flowering, with blooms of brilliant rose-pink, 4 to 5 inches across. This strain is superior to Rosy Morn. Pkt. 25 cts.; 5 pkts. \$1.

Rosy Morn, Improved. Bright rosy pink, white throat; compact and free-flowering. Ht. 8 in. Pkt. 20 cts.; $\frac{1}{4}$ oz. \$1.25.

Snowball. A fine compact sort, with pure white flowers throughout the season. Ht. 6 in. Pkt. 20 cts.; $\frac{1}{4}$ oz. \$1.25.

Striped and Blotched. Various colored attractive flowers. Ht. 8 in. Pkt. 20 cts.; $\frac{1}{4}$ oz. \$1.25.

Violacea. A beautiful steel-blue or deep violet, with no trace of magenta. Ht. 8 in. Pkt. 20 cts.; $\frac{1}{4}$ oz. \$1.25.

Violet Queen. Remarkable for its true violet-blue that will not fade when exposed to the sun. The deep-throated flowers are very large, measuring 3 to 4 inches across. It is exceptionally fine for bedding and window-boxes in combination with Rose of Heaven. Pkt. 50 cts.; 5 pkts. \$2.

Phlox Drummondii

For a color effect in the garden there is nothing quite so brilliant and quite so lasting. The plants produce their slender flower-stems in numbers on a single plant, each being crowned with an umbel of large, perfumed blooms, which resemble a hardy Phlox. They succeed best in a sunny open situation, and seeds, sown outdoors in May, will produce a solid sheet of color from July until frost. They are fine for cut-flowers.

Large-flowering Tall Varieties

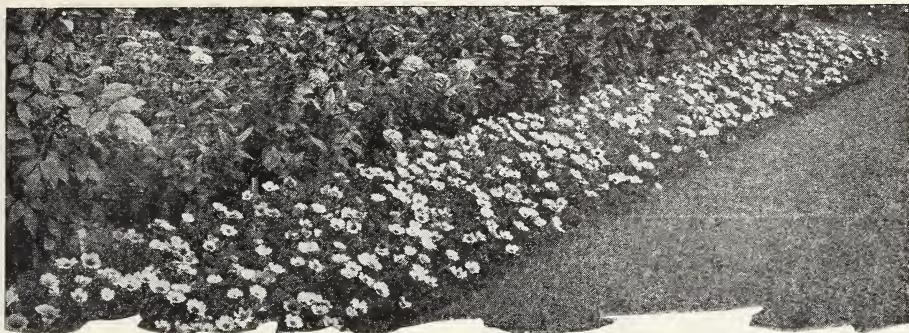
This is the finest type, having the largest heads of bloom; of strong, sturdy growth, attaining a height of about 15 inches.

Grandiflora. Dazzling in effect when borders are sown with contrasting harmonizing colors. Rich Purple, Bright Scarlet, Brilliant Rose, Pure White, Deep Crimson, Buff-Yellow, or Mixed. Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 75 cts.

Large-flowering Dwarf Varieties

Plants of this charming section grow 6 to 8 inches high and produce dense masses of bloom all summer. They are excellent for beds, edgings, and pots.

Nana compacta. Resembles the tall sorts in size of blooms but the plants are dwarfer. Brilliant Rose, Bright Scarlet, Pure White, or Mixed. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.25.



An attractive Single Portulaca border fronting a bed of Zinnias

Poppy · Papaver

Few flowers have the same grace of stem, airiness of poise, and delicacy of tissue as the Poppy. For beds and borders, with a background of green, there is nothing finer. A sandy loam suits Poppies best, and as their strong taproots are difficult to transplant, the seed should be sown where the plants are to bloom. Sow the seed thinly outdoors in September or March, cover lightly, and thin to a foot apart.

Single Varieties

For flaming brilliancy, Poppies have no rivals among the annual flowers. Some varieties are suitable for cutting; the Shirleys, in particular, if picked early in the morning with the buds just showing color, last well in water.

Annual Oriental. (New.) These huge red Poppies, like the perennial Oriental Poppies, are of great substance, but remain in bloom two weeks longer. Pkt. 25 cts.; 5 pkts. \$1.

Shirley Improved. A great favorite, coming in many beautiful shades—rose, salmon, apricot, pink, crimson, red with white margin, etc. Ht. 2 ft. Pkt. 10 cts.; ¼ oz. 35 cts.

Tulip Poppy. Flowers 3 inches across, resemble the brilliant scarlet Gesneriana tulip. Ht. 2 ft. Pkt. 10 cts.; ¼ oz. 35 cts.

Yellow Tulip Poppy. See Hunnemannia.

Single Mixed. Ht. 2 ft. Pkt. 10 cts.; ¼ oz. 35 cts.

Double Varieties

Whereas the single Poppies are most fragile in appearance, and the airiest flowers imaginable, the double sorts are firm-petaled and last well on the plants and after cutting.

Carnation-flowered, Mixed. These large, ball-shaped, double flowers have beautifully fringed petals and come in a variety of shades, many striped. Pkt. 10 cts.; ¼ oz. 35 cts.

New Double Hybrids. These brilliantly colored, fluffy, ball-shaped flowers are beautifully fringed and unusually large. They come in lovely shades of mauve, red, pink, terra-cotta, and some are striped and penciled. Sow the seed outdoors in April and again in late May. Pkt. 25 cts.; 5 pkts. \$1.

Peony-flowered, Mixed. These large, showy, double globular flowers, like a double peony, are adapted for large beds or shrubby borders. Ht. 2 ft. Pkt. 10 cts.; ¼ oz. 35 cts.

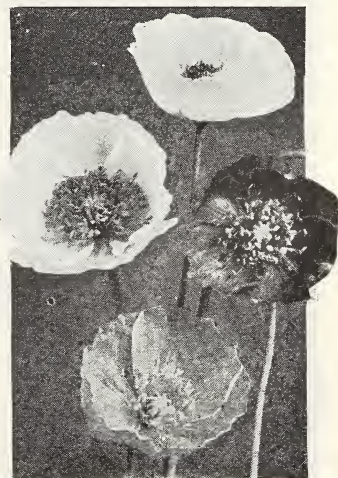
Ryburgh Hybrids. Resemble giant carnations with flat petals overlapping, like a double begonia, in shades of pink, salmon, and orange. Ht. 2 ft. Pkt. 15 cts.; ¼ oz. 50 cts.

Portulaca

This charming little hardy annual is unrivaled for brilliancy among plants of low growth. Hot sun with light, sandy soil is best. The seed does not germinate until hot weather, and should be sown in April. Ht. 6 in.

Large-flowering Single, Mixed. For masses of color in beds and on rockeries. Pkt. 10 cts.; ¼ oz. 50 cts.

Large-flowering Double, Mixed. The doubleness of the flowers gives heavier color. Pkt. 15 cts.; ¼ oz. 75 cts.



Single Annual Poppies



Candelabra Salpiglossis

The Scarlet Sages are extremely popular for showy bedding effects. Few plants are more cheerful or more colorful than *Salvia*.



Ricinus • Castor-Oil Bean

This picturesque, showy and imposing foliage plant resembles a magnificent semi-tropical shrub. As a specimen it makes a pyramid of gigantic star-like leaves; planted thickly it forms a screen. Sow the seed in pots indoors in March.

Cambogensis. Large leaves of a bronzy red-maroon. Ht. 5 ft.
Zanzibarensis, Mixed. Enormous leaves, light green to purplish red. Ht. 12 to 14 ft.

Each, pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.

Rhodanthe. See Everlasting Flowers.

Salpiglossis • Painted Tongue

These showy plants from Brazil bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, and blue. Of easiest culture, succeeding in any good soil in a sunny position, and bloom freely from midsummer until frost. Splendid for cutting. Sow outdoors in spring and thin to stand 1 foot apart.

Candelabra. Instead of branching out from the bottom, the plants send up a strong center stem. The side branches are full of beautifully marked, large, petunia-like flowers. The whole plant has a wonderful stately appearance in the border. The flowers are larger than the ordinary *Salpiglossis*, and the colorings include the finest orchid shades. In 8 colors: **Light Blue and Gold, Brown and Gold, Chamois, Crimson, Lilac and Gold, Dark Scarlet, Violet and Gold, Golden Yellow, and Mixed.** Each, pkt. 25 cts.; all 8 for \$1.75.
Grandiflora Mixed. A good mixture of choice colors. Ht. 2 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Salvia • Sage

One of our most handsome summer and autumn-flowering plants, literally ablaze with brilliant flowers. Sow seed early in boxes, transplant to small pots, and set out when frost is past; or sow outdoors in May. Avoid excessive moisture.

America (Globe of Fire). This fine variety is greatly prized for its compact growth. The plants develop into a globe-shaped bush surmounted by a profusion of sturdy, flamed flower-spikes. It is the earliest and the most brilliant of all red *Salvias*. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.

Bonfire. The finest *Salvia* for bedding. Very compact, oval bushes about 2½ feet high, with long spikes of brilliant scarlet flowers. Gorgeous effects can be produced with massed Bonfire *Salvia*. Pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.

Farinacea, Blue. Used as an annual in northern latitudes. See Perennial List. Pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.

Splendens (Scarlet Sage). Well-known bedding plants carrying long flaming flower-spikes, making a fine display until frost. Ht. 3 ft. Pkt. 10 cts.; $\frac{1}{8}$ oz. 60 cts.

Zurich. Dwarf scarlet variety, flowering early. Ht. 2 ft. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.



Salvia splendens



Schizanthus, New Giant Hybrids

Sanvitalia

Procumbens fl.-pl. This is fine for low borders, preferring a light soil and sunny situation. It will be a mass of bloom from midsummer to late fall. Beautiful small flowers, bright yellow with purple disc. Sow indoors in March or outdoors in May. Ht. 6 in. Pkt. 15 cts.; ¼oz. 75 cts.

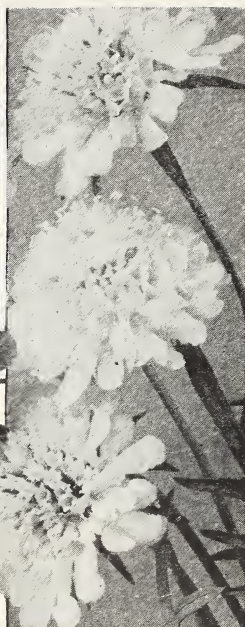
Scabiosa • Pin-Cushion Flower

Fine for cutting, and showy in the garden. Easily raised from seed, blooming from early summer until frost. Sow outdoors in April. For hardy varieties see Perennial List.

Improved Giant-flowered. Beautiful, full-petaled flowers are held erect on long, wiry stems and are fine for cutting. **Rose, Crimson, Lavender, White, Yellow, Black-Purple, and Mixed.** Each, pkt. 10 cts.; ¼oz. 50 cts.

Peach Blossom. A beautiful peach-blossom-pink. Very large, perfect blooms on long stems. Pkt. 25 cts.; 5 pkts. \$1.

Shasta. A pure white of enormous size for a Scabiosa. The flowers, are 3 to 3½ inches across. Pkt. 25 cts.; 5 pkts. \$1.



Scabiosa

If the Statice are cut and dried while the flowers are fresh, they make very unusual winter bouquets, different from the commonly known Straw Flowers.

Schizanthus • Butterfly Flower

This, one of the daintiest of annuals, is a mass of small bright flowers in a bewildering range of colors. The foliage is delicate and fern-like. Sow in May outdoors. For other varieties, see list of Flower Seeds for Greenhouse Culture.

New Giant Hybrids, Mixed. Bright, showy butterfly-like blooms. Ht. 1½ ft. Pkt. 10 cts.; ¼oz. 35 cts.

Silene • Catchfly

Armeria, Mixed. A very showy, early-flowering hardy annual, bearing beautiful white, pink, and red tubular flowers having a spicy scent; excellent for cutting. Sow outdoors in April. Ht. 1½ ft. Pkt. 10 cts.; ¼oz. 35 cts.

Statice • Sea Lavender

Its cloud-like masses of flowers make borders gay for a long time, and their delicate coloring and light graceful habit make them fine for bouquets. Sow indoors in March. For hardy varieties see Perennial List.

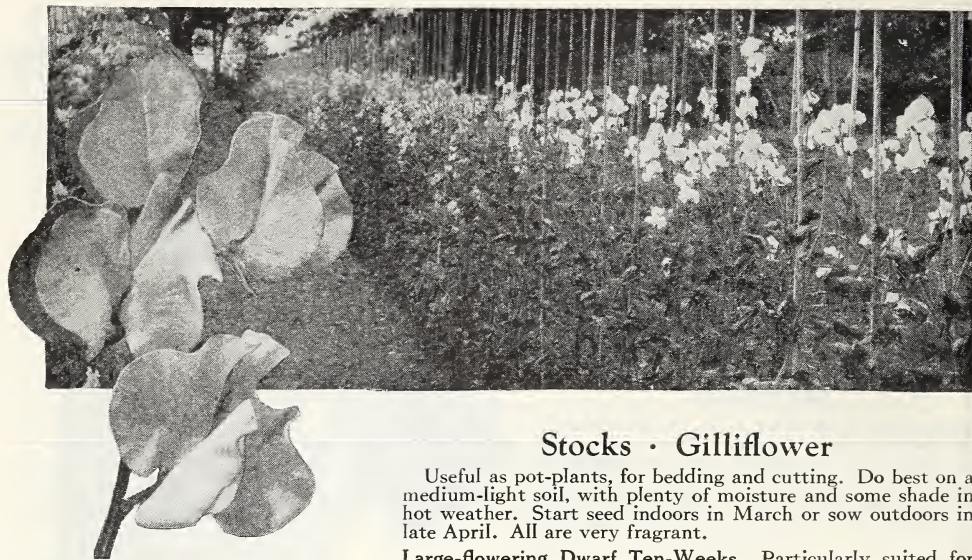
Bonduelli. Golden yellow flowers above a rosette of deeply cut, glaucous leaves. Pkt. 15 cts.; ¼oz. 75 cts.

Sinuata, True Blue. Beautiful rich navy-blue which does not readily fade. Fine annual for cut-flowers or everlasting bouquets. Ht. 1 ft. Pkt. 25 cts.; 5 pkts. \$1.

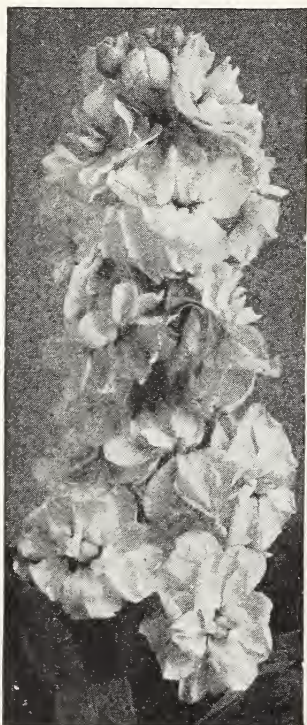
Sinuata rosea superba. Delicate pink. Pkt. 25 cts.; 5 pkts. \$1.



Statice sinuata, True Blue



Do not let Sweet Peas go to seed. Keep the flowers cut as they mature.



Improved Giant Perfection Stock

Stocks · Gilliflower

Useful as pot-plants, for bedding and cutting. Do best on a medium-light soil, with plenty of moisture and some shade in hot weather. Start seed indoors in March or sow outdoors in late April. All are very fragrant.

Large-flowering Dwarf Ten-Weeks. Particularly suited for beds and borders. Plants pyramidal in growth, about 10 inches high, very free-flowering, producing a high percentage of doubles. Light Blue, Canary-Yellow, Bright Pink, Brilliant Rose, Flesh-Pink, Carmine, Salmon-Pink, White, Purple, or Mixed. Each, pkt. 15 cts.; $\frac{1}{8}$ oz. 75 cts.

Improved Giant Perfection (Cut-and-Come-Again). Pyramidal branching growth, with large spikes of double flowers from early summer to fall. Ht. 2 ft. Silvery Lilac, Rose, Canary-Yellow, White, or Mixed. Each, pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.

Fine Mixed for Open Ground. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Forbes Sweet Peas

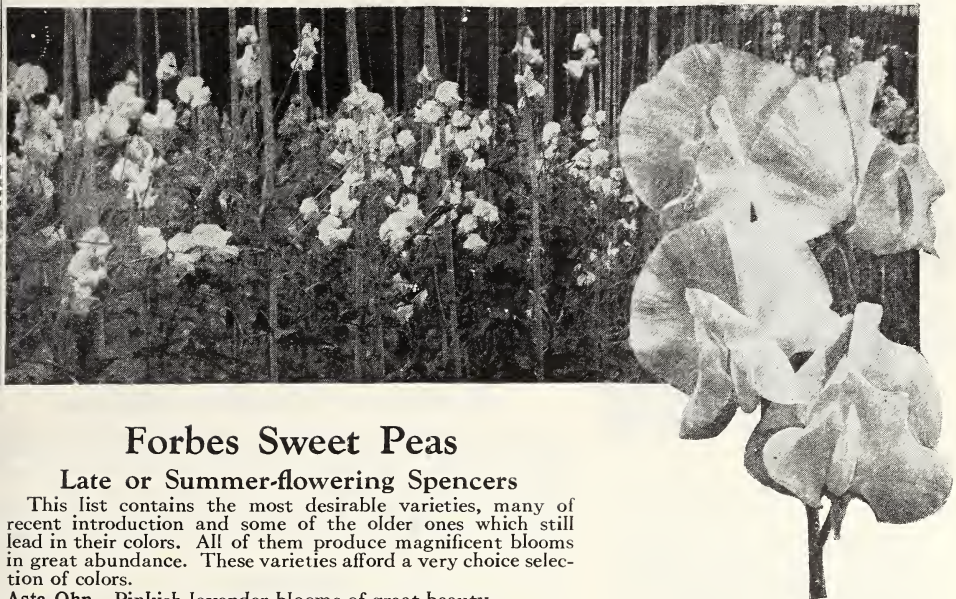
The skill of the hybridizer has wrought marvelously in the development of this beautiful flower. The range of color, combined with the exquisite beauty of form of the flowers, and the gracefulness of the stems and tendrils, makes this the most popular of all our annual flowers. Ht. 5 to 7 ft.

Dig a trench 18 inches deep and fill with best loam, enriched with bone-meal or well-rotted manure. Drill in rows 5 inches deep; cover 2 inches deep. As vines grow, gradually fill trench with soil, and thin to 5 inches apart. For early flowers sow in November, in a dry situation, 6 to 8 inches deep, giving level culture. Make spring sowings as early as possible.

Early or Winter-flowering Spencers

This is a very choice selection of the most improved varieties grown for early flowering outdoors or winter bloom inside.

Aviator. Dazzling crimson-scarlet. Pkt. 25 cts.; oz. \$1.
Burpee's Orange. Clear orange. Pkt. 35 cts.; oz. \$2.50.
Giant Rose. Rich, deep rose-pink. Pkt. 35 cts.; oz. \$2.50.
Gilda Gray. Salmon-cerise over pink. Pkt. 35 cts.; oz. \$2.50.
Grenadier. Bright dazzling scarlet. Pkt. 25 cts.; oz. \$1.50.
Harmony. Clear bright lavender. Pkt. 25 cts.; oz. \$1.
Jeanne Mamitsch. Bright rich pink. Pkt. 25 cts.; oz. \$1.
Mrs. Kerr. Clear salmon. Pkt. 25 cts.; oz. \$1.50.
Orange King. Rich deep orange. Pkt. 35 cts.; oz. \$2.50.
Snowstorm Improved. Best white. Pkt. 25 cts.; oz. \$1.
True Blue. Rich, clear blue. Pkt. 25 cts.; oz. \$1.
White Harmony. Pure white. Pkt. 35 cts.; oz. \$2.50.
Zvolanek's Rose. Deep pink. Pkt. 25 cts.; oz. \$1.50.
Forbes Early-flowering Mixed. Pkt. 15 cts.; oz. 75 cts.; $\frac{1}{4}$ lb. \$2.50; lb. \$9.



Forbes Sweet Peas

Late or Summer-flowering Spencers

This list contains the most desirable varieties, many of recent introduction and some of the older ones which still lead in their colors. All of them produce magnificent blooms in great abundance. These varieties afford a very choice selection of colors.

Asta Ohn. Pinkish lavender blooms of great beauty.
Austin Frederick Improved. A strong growing lavender sort.
Blue Bird. Fine new real blue.
Campfire. Bright sunproof scarlet. Pkt. 15 cts.; oz. 75 cts.
Charity. Rich brilliant crimson.
Commander Godsall. A rich shade of deep violet-blue.
Constance Hinton. A pure white variety, with black seed.
Elfrida Pearson. Charming blush-pink blooms on strong vines.
Grenadier. A striking shade of bright geranium-red.
Hawlmark Cerise. Salmon-cerise.
Hawlmark Salmon-Pink. Lovely soft shade of salmon-pink.
Hebe. Luminous, clear pink.
Jean Ireland. A delicate combination of cream, edged rose.
King White. Giant pure white.
Majestic Cream. Deep cream.
Mary Pickford. Cream-pink and salmon. Pkt. 25 cts.; oz. \$1.
Miss California. Salmon-pink. Pkt. 15 cts.; oz. 75 cts.
Mrs. Tom Jones. An unusually beautiful delphinium-blue.
Picture. Bright pink on cream.
Royal Purple. Striking large blooms of rosy purple.
Royal Scot. Brilliant blooms of cerise-scarlet.
Tangerine, Improved. Salmon-orange. Pkt. 15 cts.; oz. 75 cts.
The Sultan. Glossy black-maroon.
2 L O. The best glowing scarlet. Pkt. 15 cts.; oz. 75 cts.
Valentine. A pleasing shade of light shell-pink.

Any of the above, unless otherwise noted, pkt. 10 cts.; oz. 50 cts.

Forbes Giant Spencer Sweet Pea Mixture. This Mixture includes only the most effective colors of the Giant Spencer varieties, many of them producing three to four blooms on a stem. The flowers are of large size and excellent for cutting. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.

Annual Sweet William • Dianthus

These are strong, sturdy growers which require a moderate amount of sunshine and bloom from early summer until fall. Seed may be sown in early spring or in the fall. Transplanting, when necessary, must be done while the plants are quite small.

Barbatus sinensis, Single Mixed (Chinese Pink). A hybrid between *Dianthus barbatus* and *D. plumarius*, growing about 16 inches high and of the same habit as the perennial kinds. The white and scarlet flowers are borne in clusters. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.



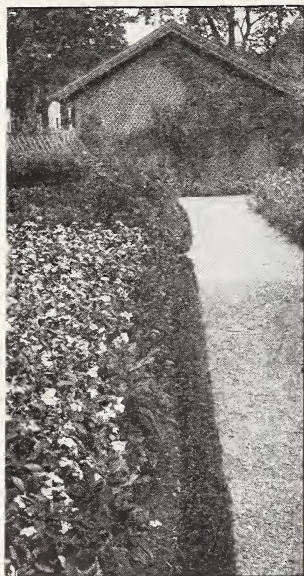
Annual Sweet William



Verbena
Luminosa

A colorful Verbena bed

Torenia's are rarely seen in gardens, but they are fine, quick-growing annuals suitable for solid bedding or edging, with flowers of rich pansy velvet. They come up year after year from self-sown seed. The blooms continue from June until cut down by the first hard frost.



Vinca

Torenia • Wish-Bone Flower

Bushy plants with small, blue, snapdragon flowers, splendid for vases, hanging-baskets, borders, etc. If started indoors March 1 and set out early in April, they commence to bloom in June and continue until frost. Ht. 10 in.

Fournieri. Very attractive flowers. Sky-blue, with three spots of dark blue and a bright yellow throat. Pkt. 25 cts.

Verbenas

Few flowers give greater satisfaction in the small home garden than the Verbenas of the *hybrida* group. They produce their large, fragrant clusters of blossoms constantly from mid-summer until killing frost, in all kinds of weather and on even the poorest soils. These annuals make fine window-box plants and are splendid for low beds and borders. Sow the seed in May and thin the seedlings to stand 15 inches apart.

Large-flowering. The plants of this strain are quite compact and bear large blooms throughout a long season. We offer the following separate colors: **Blue, Pink, Purple, Scarlet, White, and Mixed.** Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Royale. Enormous flower-heads, with individual florets measuring $1\frac{1}{4}$ inches in diameter, distinguish this new strain from other Verbenas. The color is a rich deep royal blue with a large creamy yellow eye. Its unusual size makes Royale particularly desirable. Pkt. 35 cts.; 3 pkts. \$1.

NEW GIANT HYBRIDS. A great improvement and bears immense trusses of flowers, with florets 1 inch across.

Etna. Bright geranium-red, with deep cream-colored eye.

Luminosa. Brilliant flame-pink shading to salmon.

Purity. Glistening pure white flowers in very large trusses.

Violet Star. Deep rich violet with white eye.

Mixed Colors. A mixture including all colors in this class.

Each of above, pkt. 25 cts.; 5 pkts. \$1

Erinoides (Moss Verbena). This lovely variety produces a carpet of moss foliage, above which are borne heads of purplish blue and white blooms in profusion from June until frost. For beds, baskets or rockeries. Pkt. 15 cts.

Vinca • Madagascar Periwinkle

The Vincas are favorites for bedding, as they do well in partly shaded as well as sunny locations, and do not require a rich soil. The plants are very handsome, about 1 foot high, with glossy dark green foliage and charming star-shaped flowers which will last in water for a week if cut when the buds are beginning to open. Start the seed indoors in January and set the plants outdoors in April, about 1 foot apart each way; they will bloom until fall. Make fine window-box plants. Give them a medium light soil and an occasional heavy watering. **White or Rose.** Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 60 cts.



Viola, Avalanche

Viola • Tufted Pansy-Violet

Splendid for bedding in damp, shady spots. They are perfectly hardy, although it is advisable to give them a light covering of dead leaves over winter. The seed may be sown outdoors in early spring for late summer bloom or in August or early May for bloom the following spring. They bloom from early spring to fall and bear very bright and attractive flowers. While the flowers of Tufted Pansies are not so large as the regular type, they bloom so freely that they are superior to Pansies where effect is wanted. The colors are particularly clear and distinct and they bloom longer than Pansies. Ht. 6 in.

Cornuta, Admirabilis, Mixed. Free-flowering and showy.
Cornuta, Lord Beaconsfield. Beautiful bicolor with purple, violet, and white blooms.
Cornuta, Blue Perfection, White Perfection, Yellow Perfection, and Purple Perfection.

Each of above, pkt. 25 cts.; 5 pkts. \$1

Avalanche. This is a new pure white bedding Viola which comes perfectly true from seed. It forms a very compact, dwarf plant which is well covered with pure white flowers of good size. Pkt. 50 cts.; 5 pkts. \$2.

JERSEY GEM. Shaped like a Violet, but larger. The deep violet blooms, on 8 to 10-inch stems, are delightfully fragrant. Is a perennial but blooms the first year from early sown seed and flowers continuously from May until hard frost. Pkt. 25 cts.; 5 pkts. \$1.

Wallflower

Long spikes, closely set with sweet-scented flowers which range in color from yellow to brown, some tinged with red and purple. They bloom in early spring from seed sown the previous summer and are best treated as biennials since they often flower so profusely the second season as to exhaust themselves. In this latitude it is best to winter plants over in coldframes and plant out in April. The Wallflowers thrive best in cool, moist locations where they get partial shade and some protection.

Early Paris Market. This variety, if sown in March, will bloom in July. Ht. 3 ft. Pkt. 15 cts.; 1/4 oz. 75 cts.

Hamlet. This new single variety is a cross between Goliath and Aurora. It is of very compact habit and bears exceedingly large, bright golden orange flowers. Pkt. 50 cts.; 5 pkts. \$2.

New Double-flowering Early Wonder. Seed sown January to February produces flowers outside in July which are fully double and delightfully fragrant. **Canary-Yellow, Golden Yellow, Brown, or Mixed.** Each, pkt. 50 cts.

Xeranthemum. See Everlasting Flowers

Viola,
Jersey Gem



Wallflower

Picotee

Cactus-Flowered

Double Dahlia-Flowered

Giant Double-flowered

The Zinnia is one of the most brilliant and showy of our annual garden flowers. The old-fashioned forms have been displaced by the Giant-flowered strains.

Lilliput Zinnias

A Remarkable Choice of Zinnias

Few, if any, annuals have greater utility value and can be grown with an equal degree of success. In the mixed border or in solid masses, Zinnias will bloom continuously from early summer until cut down by hard frost. They add a range of color for house decoration, not to be found in any other flower and last longer than any other when cut. To get the best blooms, sow the seed indoors in March and transplant seedlings to the garden early in May, or, if preferred, sow the seed in the open ground in April and transplant later. Space the large-flowering and taller sorts from 1½ to 2 feet apart each way, as they are robust growers and need plenty of space to grow to maximum size. Ht. 1 to 3 feet.

GIANT PICOTEE-FLOWERED. A very attractive and distinct class of Zinnia in that the tips of the petals are peculiarly marked with either a deeper shade or with another contrasting color. Mixed Colors, pkt. 25 cts.; ¼oz. \$1.

CACTUS-FLOWERED. Enormous flowers in a great variety of color with petals tubular at the base and partly opened at the tips. Pkt. 25 cts.; ¼oz. \$1.

GIANT DOUBLE-FLOWERED. A greatly improved Zinnia frequently reaching 5 to 6 inches in diameter on large, strong plants 2 feet high. In splendid separate colors: Scarlet, Salmon, Golden-Yellow, Rose, Crimson, White, Violet, Shrimp-Pink, and Mixed. Each, pkt. 15 cts.; ¼oz. 75 cts.

DWARF DOUBLE-FLOWERED. For borders or cutting, a foot high. White, Rose, Golden-Yellow, Purple, Crimson, Scarlet, and Mixed. Each, pkt. 10 cts.; ¼oz. 50 cts.

DOUBLE DAHLIA-FLOWERED. A beautiful new type closely resembling decorative dahlias in form and in the arrangement of the petals. They attain a height of 3 feet, producing large blooms of distinctive colorings as follows:

Canary Bird. Primrose.	Meteor. Deep rich red.
Crimson Monarch. Red.	Old Rose. A fine shade.
Dream. Purple.	Oriole. Orange-gold.
Exquisite. Pale rose.	Polar Bear. Pure white.
Golden State. Orange.	Scarlet Flame. Bright.
Mixed.	

Each, pkt. 25 cts.; ¼oz. \$1.50

LILLIPUT. This charming little Zinnia is used for borders and edgings but is very useful for cut-flowers because of its formal shape and keeping qualities. Ht. 8 to 10 in.

Salmon-Rose. The very small, globe-shaped flowers of this recently introduced variety are very double and resemble the Pompon Dahlia. The soft salmon-rose color is very pleasing. Pkt. 25 cts.; 5 pkts. \$1.

Mixed. An assortment of attractive colors. If the seed is started outdoors early, the blooms will begin in June and last until frost. Pkt. 20 cts.

Forbes Select Seeds of Annual Climbers

These fast-growing summer vines are mostly light in texture and may be planted freely. Vines give an added beauty to good architecture but should not obscure it entirely. Heavy vines, like the Moonflower and Gourd, have their use also when dense shade or a quick, temporary summer screen is needed.

Sow indoors in early spring, in flats of rich, light soil, placed in a warm window at 70° F. Cover seeds with soil to a depth of four times their own size and press down firmly. Water with a fine spray and never allow soil to dry out. In April or May, when danger from frost is past, transplant seedlings to the garden.

Balloon Vine

A rapid-growing vine that succeeds best in light soil and warm situations. The cross-shaped flowers are white; and the seed-vessels look like miniature balloons, $1\frac{1}{2}$ inches across, with anemone-like leaves. Climbs 10 to 15 feet within six weeks. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.

Canary-Bird Vine

This rapid-growing vine produces an abundance of pretty, fringed, bright yellow flowers, bearing a fancied resemblance to a bird with wings expanded. Finely cut light green foliage. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.

Cardinal Climber

A brilliant and beautiful vine which grows 30 feet high, with fern-like foliage and cardinal-red flowers, $1\frac{1}{2}$ inches across, borne in clusters profusely from midsummer until frost. Start seed indoors early, or sow in the open in late May. Splendid for trellises. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Cobaea · Cup-and-Saucer Vine

This quick vine grows 25 to 30 feet during the season. It is valuable for covering trellises and arbors, and its tendrils cling to any rough surface. In sowing, place seeds edgewise and cover lightly. Sow indoors in March or outdoors in May.

Scandens. Bell-shaped, purple flowers. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Scandens alba. The white form. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Cypress Vine

Popular vines with delicate fernlike foliage, and mass of beautiful, small, star-shaped flowers. Soak seed in water for a few hours before planting to hasten germination. Frequently grows 15 feet and is fine for trellises. Sow outdoors in May. Scarlet, or White. Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.



Cypress Vine

Most annual vines like deep, rich soil, lots of water, plenty of warmth and sunlight.



Cardinal Climber



Humulus



Japanese Morning-Glory



Dolichos, Daylight

Dolichos · Hyacinth Bean

A rapid-growing vine, bearing large, handsome foliage and bright flowers, followed by curious bean-shaped pods.

Darkness. Stems and under sides of foliage purplish red. The spikes of reddish purple, pea-like flowers are succeeded by showy seed-pods. Ht. 8 to 20 ft. Pkt. 10 cts.; oz. 50 cts.

Daylight. Covered from the ground up with erect racemes of pure white flowers. The flowers are followed by ornamental white seed-pods. Ht. 8 to 10 ft. Pkt. 10 cts.; oz. 50 cts.

Ornamental Gourds

These tender annual vines produce different gourd fruits. Some sorts grow 40 feet long, quickly covering fence, arbor, or unsightliness with soft leaves and white, musk-scented flowers. Start inside and transplant to warm spot.

COLLECTION: One pkt. each of 12 named varieties, 50 cts.

Hercules' Club. Greenish white fruits, 2 to 6 feet long, shaped like a club and commonly grown like squash, in hills 2 to 3 feet apart each way, in warm, rich soil. Relished as an Italian vegetable. Pkt. 10 cts.; oz. 25 cts.

Humulus · Japanese Hop

This rapid summer climber which grows 20 to 30 feet, resembles the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant and deeply cut, making a dense covering. It is one of the best plants for covering verandas and trellises, producing grateful shade, and is ornamental. Heat, drought, and insects do not trouble it.

Variegated. Foliage variegated with creamy white on deep green. If sown late in May, will reach, in four to six weeks, a height of 10 to 15 ft. Pkt. 10 cts.; ¼ oz. 25 cts.

Ipomoea · Moonflower

Climbers of rapid growth, with large, beautiful flowers. To cover walls, trellises, arbors, when supported, they are invaluable. It is well to soak the seed in warm water over night.

Grandiflora alba (Giant White Moonflower). At night and during dull days the plants are covered with large, white, fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly to a height of 20 feet, and will cover a large surface. Start seed early indoors and transplant in May; or sow in open ground after soil is warm. Pkt. 10 cts.; oz. 75 cts.

Momordica

Curious climbing vine with ornamental foliage and golden warted fruit which opens, showing the seed and its brilliant carmine interior. For trellises and rockwork. Ht. 6 to 10 ft.

Balsamina (Balsam Apple). Has orange-colored, apple-shaped fruit, and yellow flowers. Pkt. 10 cts.; ½ oz. 50 cts.

Charantia (Balsam Pear). Pear-shaped yellow fruit. Eaten as *La-Kwa* by the American-Chinese. Pkt. 10 cts.; ½ oz. 50 cts.

Morning-Glory · Convolvulus

One of the most free-flowering and rapidly growing plants for shading porches and covering screens. The foliage is a dark green, and the freshness and delicacy of the flowers fully make up for their fugitive character.

Baby or Heavenly Blue. Blue flowers measuring 4 to 5 inches across, make a beautiful show on arbors and trellises. Also used as a greenhouse climber. Pkt. 15 cts.; ½ oz. 50 cts.

Imperialis, Single Mixed (Japanese Morning-Glory). Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm. They soon cover a large area. The flowers are gigantic and their colorings range from snow-white to black-purple, with all the possible intermediate shades. Pkt. 10 cts.; oz. 50 cts.

Forbes Flower Seeds for Greenhouse Culture

Anemone

St. Brigid. Excellent for greenhouse forcing, it has large, cup-shaped blooms in red, orange, white, violet-blue, and purple with black centers, and fine cut leaves. Pkt. 25 cts.

Asparagus

Plumosus nanus (The Florist's Asparagus Fern). Fine for house or conservatory decoration or cutting, on account of its graceful, fine, bright green foliage. Will remain fresh a long time. Ht. 3 to 4 ft. Pkt. 25 cts.; 100 seeds \$1.

Sprenger (Emerald Feather). One of the best plants to grow in hanging-baskets or window-boxes for the greenhouse in winter or for outdoors in summer. Ht. 4 to 6 ft. Pkt. 25 cts.; 1,000 seeds \$2.

Calceolaria

A tender perennial, used largely for the decoration of the greenhouse and conservatory. To flower by Christmas sow seed in late June and keep seedlings in a cool airy house slightly shaded. Keep moist and avoid crowding the roots by shifting to larger pots as they grow, having them in 6-inch pots by October. Then give full sunlight and space to develop.

James and Wetherill's Prize Strain. This, the product of these famous Scotch plant-hybridizers, is of a dwarf, compact, and free-flowering nature. The plants bear a profusion of small, pocket-shaped flowers in gorgeous colorings, including all the various self-colored, tigered, blotched, spotted, and laced varieties. Pkt. 75 cts.; 3 pkts. \$2.

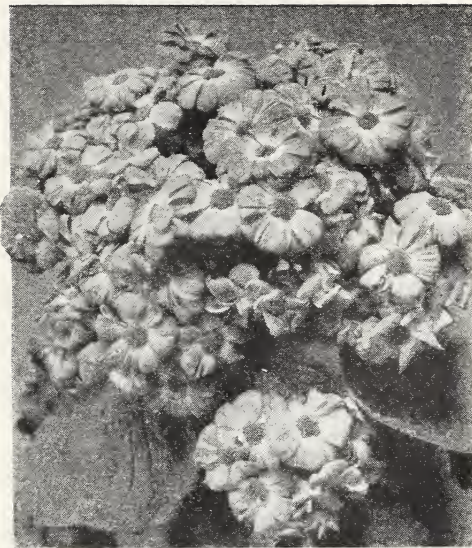
With the time, effort, and expense involved in growing flowers from seed in the greenhouse, it is essential that only the best strains and varieties be used. Our wide experience has shown the seeds listed below to be the finest for greenhouse culture. These very choice strains, selected from many, are produced by specialists who excel in each class. We urge you to include the annuals listed on pages 62 to 64 as they are of easy culture and produce, in comparatively short time, dainty flowers when most welcome.



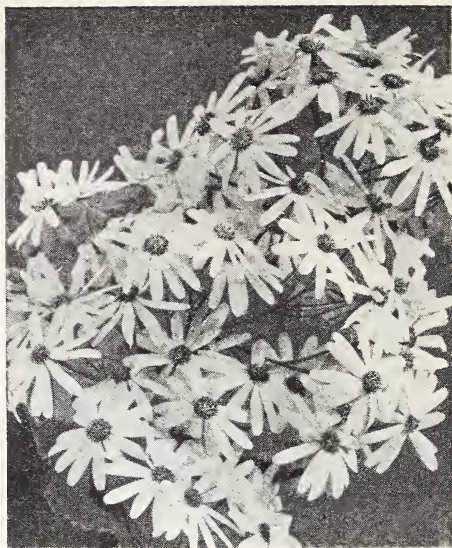
James and Wetherill's Prize Calceolaria



Anemone, St. Brigid



James and Wetherill's Prize Cineraria



Cineraria stellata

Cineraria

Ornamental house-plants, bearing magnificent heads of velvety, daisy-like flowers, in white, pale blue, dark blue, violet, pink, carmine, and crimson, with many bicolors. Sow from May to September for a succession. Ht. $1\frac{1}{2}$ to $2\frac{1}{2}$ ft.

James and Wetherill's Prize Strain. This is the product of two Scotchmen famed for their excellent work in plant-hybridization. It is of dwarf habit with flowers of superb size. Pkt. 75 cts.; 3 pkts. \$2.

Forbes Giant-flowering Hybrids, Mixed. This is grown for us by a famous European specialist. The flowers are 3 inches in diameter, in white, rose, flesh, crimson, blue, violet, etc. The plants are robust and medium tall. Pkt. 50 cts.

Stellata (Star Cineraria). A charming variety, with large, spreading panicles of starry flowers in the same colors as the ordinary Cineraria. The extreme elegance of the plants and flowers make them wonderfully effective for house and conservatory; also useful for cutting. Ht. $2\frac{1}{2}$ ft. Pkt. 50 cts.

Cyclamen

Charming house-plants, with beautiful foliage and richly colored, fragrant flowers. Universal favorites for winter and spring blooming. Seed, sown any time during the spring or autumn, produces flowers in from twelve to eighteen months. The seed is fine and must be carefully handled. Sow in rows in flats of mellow, sandy soil. After a month, begin transplanting the seedlings to another flat, 1 inch apart in the row. This transplanting will continue for two months. Give a little shade, a lot of moisture, and plenty of air. Carry over winter in $2\frac{1}{2}$ -inch pots until late spring. Transplant to larger pots as plants develop. Cyclamen thrive if kept moist and in a warm, moist atmosphere.

Persicum, Mixed. A very fine strain, not so large but easier to grow than the Giant. Pkt. 25 cts.; 100 seeds \$1.50.

Giant Papilio or Butterfly. A beautifully fringed variety.

Giant Pearl of Zehlendorf. Dark salmon blooms of large size.

Giant Rococo, Mixed. Large, fringed blooms and corolla.

Giant Mrs. Buckston. Heavily fringed, edged salmon-pink.

Giant Excelsior. Rich, deep red mammoth flowers.

Giant Finest Mixed.

Each Giant, pkt. 75 cts.; 100 seeds \$3.50



Persicum Cyclamen

Dracaena • Dragon Plant

Indivisa. Beautiful, ornamental-leaved plants from Australia. The long, narrow, green foliage makes them indispensable as center plants for vases and for house decorations. Easily grown from seed started at any time of year in a greenhouse. Pkt. 15 cts.; $\frac{1}{2}$ oz. 75 cts.

Geranium

These grow readily from seed the first year and produce blooming plants the first summer. Should be started indoors early in February and transferred to the open in May or June. Ht. 1 to 2 ft.

Lady Washington (Odier). Large flowers, beautifully blotched. Pkt. 25 cts.; 5 pkts. \$1.

Pelargonium, Turner's English Hybrids. A very high-class strain for conservatory culture. The seed is saved from the finest hybrids and produces blooms of huge size and beautiful colorings. Pkt. 75 cts.; 3 for \$2.

Zonale, Mixed. A superb strain of the largest and finest varieties. Pkt. 25 cts.; 5 pkts. \$1.

Select Mixed. Saved from a collection of choice varieties. Pkt. 25 cts.; 5 pkts. \$1.



Lady Washington Geranium

Gerbera • Transvaal Daisy

These half-hardy perennials are usually grown as greenhouse or window plants. The daisy-like blossoms, 2 to 4 inches across, borne on long stems, are unsurpassed as cut-flowers, as they are of wonderful lasting quality. To get best germination, plant the seeds obliquely with the downy end just above the soil surface. Start seed real early in flats of well-sanded soil. When potting up, also use a sandy soil. For garden culture in cold climates the plants are wintered over in coldframes like pansies, etc. They will commence flowering the first year, but old plants produce a greater abundance of bloom.

Jamesoni Hybrids. The flowers are borne on long, slender stems well above the foliage. The colors include a galaxy of unequalled delicacy and richness, from pure white through yellow, orange, salmon, rose, cerise, and ruby-red to violet. Pkt. 50 cts.; 3 pkts. \$1.25.



Gloxinia, Large-flowered Hybrids

Gloxinia

Large-flowered Hybrids. Magnificent house-blooming plants with large, brilliantly colored, tubular flowers of velvety texture, and handsome bronzy green foliage with white veins. Will bloom in six months from sowing. Compact and erect in growth, the plants are large-flowering and free-blooming. Start the seed in flats and transplant seedlings to pots. Keep soil moist at all times but avoid wetting the leaves. Pkt. 50 cts.



Forbes Forcing Mignonette

Mignonette

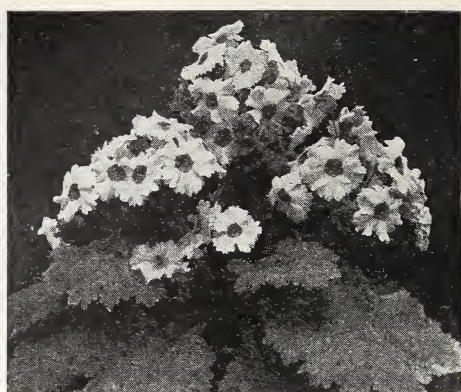
Forbes Special Forcing Strain. A remarkably large-flowering strain, with exquisitely fragrant spikes 14 inches tall. For December flowering, sow the seed in August, in $2\frac{1}{2}$ -inch pots. Plant five or six seeds in each pot and when still real small, remove all but two. Protect seedlings with cheese cloth. About October 1, cut off one plant and plant out on a bench, one foot apart, without disturbing plants. When 4 inches high, pinch back. For spring bloom, sow in January on bench and then set out later. Pkt. 75 cts.; 3 pkts. \$2.

Mimosa • Sensitive Plant

Pudica. A curious annual, the leaves of which instantly close up when touched. It is a neat ornamental plant for either pot or garden culture and is very interesting. Sow seed in a warm house in March and transplant to $2\frac{1}{2}$ -inch pots for bedding. A few can be shifted to larger pots for greenhouse display specimens. Ht. $1\frac{1}{2}$ ft. Pkt. 15 cts.



Primula obconica



Giant Fringed *Primula sinensis*

Few plants for greenhouse use provide such charming variation of form and texture of flowers as the several species of *Primulas* offered here. Great strides have been made in recent years, in improving the vigor of the plants and size and abundance of bloom. They make unusually attractive house plants.

Primula Primrose

The beautiful Chinese Fringed Primroses and *Obconica* varieties are excellent winter-blooming pot-plants. Use soil consisting of sand and leaf-mold worked through a fine sieve. Allow for drainage. Cover seeds lightly, water frequently, and give a temperature of 55 degrees. Shift the seedlings to larger pots as they develop, provide a moist atmosphere and ventilation and plenty of shade. For Christmas blooming sow seed in January and for Easter blooming about May 1.

Primula malacoides

The improved Baby Primrose. Foliage light green, deeply waved and fringed. Flowers in profusion on long stems. Lilac, White, or Rose. Each, pkt. 25 cts.; 5 pkts. \$1.

Primula obconica

These are of the easiest culture in greenhouse or home, flowering abundantly and continuously with little care, and should be sown during the spring in good porous loam.

Grandiflora gigantea, Mixed. Pkt. 25 cts.; 5 pkts. \$1.

Primula sinensis

This beautiful Chinese Fringed Primrose is indispensable for spring decoration in the home, and ranks as one of the finest of all winter-blooming pot-plants.

Giant Fringed (*P. sinensis fimbriata*). Our Giant Fringed strain is of the highest merit. Ht. 10 in. White, Crimson, Blue, or Mixed. Each, pkt. 50 cts.; 5 pkts. \$2.

Stellata fimbriata, Mixed. A very pretty form with large heads of star-shaped flowers of various colors. A splendid pot-plant. Ht. 10 in. Pkt. 50 cts.; 5 pkts. \$2.

Schizanthus • Butterfly Flower

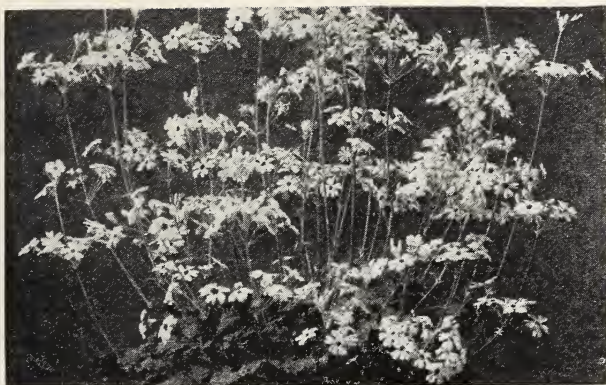
The plants branch freely and form a neat bush 2 feet high, literally covered with butterfly blooms of such exquisite pale colorings as are found in orchids. Sow in hotbed in March and April and transplant seedlings. When 3 inches tall, pinch out top. Follow by sowings outdoors in May and June to keep up a succession. For December and January bloom, start seed September 1 and shift seedlings up to November 10.

Wisetonensis, Pink Pearl. Large, delicate, light colored flowers, prettily blotched with pink, yellow, bronze, and light red. Pkt. 25 cts.; 5 pkts. \$1.

Wisetonensis Hybrids. These beautiful flowers range from white through pink, yellow, and carmine to purple. Pkt. 25 cts.; 5 pkts. \$1.



Schizanthus, Pink Pearl



Primula malacoides

Smilax

Graceful climbers for greenhouse or conservatory. Foliage is indispensable for bouquets and decorations. Pkt. 25 cts.

Solanum

Fine for Christmas house-plants. This thrives best in light rich soil. Start seed in January and bring on it pots, either inside or in frames, during summer.

Capsicastrum nana (Jerusalem Cherry). Very useful and ornamental pot-plant for winter decoration. It is of dwarf, branching habit, bearing a profusion of bright scarlet, globular berries. Leaves oval, small. Ht. 1 ft. Pkt. 15 cts.

Cleveland Cherry. The leaves are small and oval-shaped and the dwarf, branching plants bear the familiar, globe-shaped, bright red fruits. Ht. 1 ft. Pkt. 15 cts.

Stevia

Serrata. Free-blooming house-plants for summer or winter use, bearing a profusion of fragrant, waxy, white, star-shaped flowers that are excellent for cutting. To get best results, grow in a cool house. Ht. 2 ft. Pkt. 15 cts.

Stocks • Gilliflower

Seed sown indoors in February, transplanted and set out in April, will bloom August 1. For winter plants, sow seed in June, July, or August, transplant into 2½-inch pots, and bench ten weeks later. Keep plants 1 foot apart and at 50° F.

Large-flowering Dwarf Ten-Weeks. The fastest-growing strain for successive cutting. Specially selected for double flowers. Ht. 15 in. Light Blue, Canary-Yellow, Salmon-Pink, Brilliant Rose, Flesh-Pink, Carmine, White, Purple, or Mixed. Each, pkt. 15 cts.; ½ oz. 75 cts.

Improved Giant Perfection (Cut-and-Come-Again). A tall, giant-flowering strain of pyramidal growth. Ht. 2 ft. Silvery Lilac, Rose, Canary-Yellow, White, or Mixed. Each, pkt. 25 cts.; ½ oz. \$1.

Giant-flowering Beauty. This strain is the finest for greenhouse culture. Beauty of Nice, delicate pink; Queen Alexandra, silvery lilac; Mont Blanc, pure white; Crimson King, dark crimson; Soleil de Nice, canary-yellow; Almond Blossom, lovely pink. Each, pkt. 25 cts.; ½ oz. \$1.

Verbena

Lemon Verbena (*Aloysia citriodora*). Every garden should have plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. Pkt. 20 cts.



Giant-flowering Beauty Stocks

We do not half appreciate the real usefulness of the Stocks in this country. They are not, as a rule, successful out-of-doors here, but their splendid spikes of bloom, in almost every color of the rainbow, may easily be had in the greenhouse and conservatory. The fresh, delicious fragrance of the Gilliflowers is a splendid addition to their value as a cut-flower.



Solanum

Annual Flower Seeds for Greenhouse Forcing

FULLY DESCRIBED, ALPHABETICALLY, IN ANNUAL FLOWER SEED PAGES 12 TO 46

These not only provide a means of utilizing otherwise wasted space in the greenhouse but also furnish beautiful cut-flowers and pot plants in a very short growing season.

BEGONIA. Seedlings raised in heat early in spring will flower profusely the same summer. Single Tuberous-rooted, Mixed. Pkt. 50 cts. Double Tuberous-rooted, Mixed. Pkt. 50 cts.

CALENDULA. Potted plants can be brought to bloom freely in winter and early spring.

Ball's Gold. Bright yellow. Pkt. 25c.; $\frac{1}{4}$ oz. \$1. Campfire. Orange-scarlet. Pkt. 35c.; 3 pkts. \$1. The Ball. Bright orange. Pkt. 25c.; $\frac{1}{4}$ oz. 75c.

CANDYTUFT. These charming flowers are showy and excellent for cutting.

Giant White Hyacinth-flowered or Improved Empress. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.; oz. \$1.50.

CARNATION. Pleasing fragrance and rich colors for winter greenhouse culture.

Chabaud's Giant. Well suited for cutting. They usually come about 90 per cent double.

Jeane Dionis. White. Nero. Rich crimson. Legion Honor. Salmon. Sparkler. Cardinal. Marie Chabaud. Yellow. The Pearl. Rose-pink. Each, pkt. 25 cts.; $\frac{1}{8}$ oz. \$1; one pkt. of each for \$1.25

Perpetual Flowering, Mixed. A leading English Carnation specialist has produced this ever-blooming strain and it is unusually fine for greenhouse culture. The seed is selected exclusively from plants which have been grown under glass. The plants will bear about 85 per cent double flowers of rare and delicate colors and color combinations. Pkt. \$1.

CENTAUREA. These bright blue flowers are quite excellent as cut-flowers.

Double Blue Emperor. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

CLARKIA. The sprays of small, double flowers are fine in masses when grown as pot plants.

Elegans, Double. We offer the following: Carmine Queen, Chamois Queen, Salmon Queen, Scarlet Queen, Vesuvius (orange-scarlet), White Queen, Purple Queen, and Mixed. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

CYNOGLOSSUM (Chinese Forget-me-not). An easily grown pot plant for late winter flowering. Sow in October and pot up right after Christmas, allowing 10 inches between plants. Amabile, Blue or White. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

DIDISCUS cærulea (Blue Lace Flower). This is very attractive as a cut-flower when used with Sweet Peas, Freesias, or Lily-of-the-Valley. To flower in April, sow seeds in December in a 50° house, transplant seedlings to small pots, and, four to five weeks later, plant out on a bench, 4 inches apart, in rows 1 foot apart. The branching plants, 2 feet high, carry the beautiful, refined, light blue lace-like flowers on good, long stems for cutting. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

HELIOTROPE. This half-hardy perennial is very useful as a greenhouse plant.

Regale. Pkt. 35 cts.; 3 for \$1.

IMPATIENS. An excellent and rare pot plant.

Holsti. Brilliant cinnabar-red. Pkt. 25 cts.

Sultani Hybrids. Rosy scarlet. Pkt. 25 cts.

LANTANA. An unusual and attractive house plant, giving continuous bloom. Start the seed indoors early.

Dwarf Bedding Hybrids. Pkt. 15c.; $\frac{1}{4}$ oz. 60c.

LARKSPUR. Graceful flowers can be grown for late winter or Easter cutting from December-sown seed. Transplant seedlings to 4 inches apart in rows 18 inches apart.

Emperor Branching. These grow about 2 feet high and are of candelabra habit. Rose, Pink Delight, White, Blue, Violet-Purple, or Mixed. Each, pkt. 25 cts.; 5 pkts. \$1.

MIMULUS. Start seeds in February and grow on in a temperature of 55° F.

Moschatus (Musk Plant). Yellow. Pkt. 15 cts.

Tigrinus (Monkey Flower). Mixed. Pkt. 15 cts.

MORNING-GLORY. Rapid growing climbers that are used to decorate the greenhouse.

Baby or Heavenly Blue. Pkt. 15c.; $\frac{1}{2}$ oz. 50c.

MYOSOTIS. Will flower through the winter if seed is started in March, plants set outdoors, and in fall potted and brought inside.

Alpestris, Victoria. Blue or Rose. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

NEMESIA. This will flower in April if the seed is sown about January 15 in flats and transplanted later. Excellent for pot-culture.

Strumosa, Sutton's Hybrids. Pkt. 25c.; 5 for \$1.

PANSY, Forbes Big Beauties. Gigantic blooms, often 4 inches across, come on strong, stocky, compact plants. Pkt. 75 cts.; $\frac{1}{4}$ oz. \$1.75.

PETUNIA, Dwarf California Giant. This is a wonderfully fine strain of single Petunia for pot-culture. It produces very dwarf, compact plants, only 4 inches high, covered with huge, fringed, single blooms, beautifully veined on self-colored grounds. Pkt. 75 cts.

SALPIGLOSSIS. These beautiful, showy flowers are exceptionally fine for cutting, particularly in combination with Annual Baby's Breath. Blooms very freely.

Candelabra. Light Blue and Gold, Brown and Gold, Chamois, Crimson, Lilac and Gold, Dark Scarlet, Violet and Gold, Golden Yellow.

Each, pkt. 25 cts.; all 8 for \$1.75

SNAPDRAGONS FOR FORCING. These are special greenhouse strains, blooming in four to five months from seed.

Geneva Pink. Delightful glistening rose-pink. Golden King. An improved golden yellow.

Jennie Schneider. Rich, Columbia rose-pink.

Orlando. Beautiful rich shade of bronze.

Penn-Orange. Vivid striking tangerine-orange.

Philadelphia Pink. The finest pure pink.

White Rock. Extra-early-blooming pure white.

Each, pkt. \$1; all 7 for \$6

SWEET PEAS, Early-flowering Giant Spencers.

These have been specially selected for greenhouse culture. If started in August, they will bloom in all their glory from Christmas on. For varieties, see page 42.

WALLFLOWER. Start seed in April, transplant seedlings to open ground, and in October pot up in 6-inch pots. Hold these in coldframe until February, when plants can be kept at 50° F. and will give good bloom by March.

Early Paris Market. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Hamlet. Golden orange flowers. Pkt. 50 cts.

Double-flowering Early Wonder. Canary-Yellow,

Golden Yellow, and Brown. Each, pkt. 50 cts.

Forbes Seeds of Hardy Perennial Flowers

Perennial flowers are best used to form hardy borders, using low facers in front and tall plants at the back with intermediates between. To prevent the whole border from crowding and disorder, cut off the dead flowers before they go to seed. Against heavy rains and winds, they should be supported or staked and tied loosely. Adjusto ring stakes are good for certain types and tall Dahlia stakes for others; various lengths are needed for plants of different heights so that stakes are not conspicuous. A light mulch of leaves and manure is beneficial in fall.

To have large plants, perennial seeds are best sown in May, June, and July, unless otherwise noted. Forget-me-nots, English Daisies, Hollyhocks, Sweet William, and Pansies are best sown in August, in order to have plants not too large for handling. Large seeds should be sown in rows in flats or coldframes and lightly covered with sand or fine soil to the depth of twice their diameter. Cover fine seeds with a piece of burlap but no soil. Shade on a sunny day and transplant when two leaves occur, 3 to 5 inches apart. In some cases seedlings cannot be safely transplanted but in these cases thinning must be done until plants are separated. No ventilation, too much shade, and crowding cause "damping off," a disease very destructive to young seedlings. This can be prevented by using Semesan. When watering, apply thoroughly but with a fine spray.

Achillea • Yarrow

Parmica, The Pearl. Bears a profusion of small, double white florets during the entire season. Easily grown in well-drained garden soil, preferably a space open to the sunlight. Will flower the first season if sown early. Fine for cutting. Ht. 2½ ft. Pkt. 25 cts.; ¼oz. \$1.

Millefolium rubra. A beautiful, velvety, deep pink variety. Ht. 3½ ft. Pkt. 25 cts.; ¼oz. \$1.

Aconitum • Monkshood

Napellus. Showy panicles of helmet-shaped, lovely, dark blue flowers and handsome foliage. It is very fine for borders and particularly where masses of blue color are wanted. If sown early, will usually bloom the first year. Thrives in shady places. Ht. 3 ft. Pkt. 15 cts.; ¼oz. 75 cts.

Adonis

Aleppica (Syrian Floss). This is a hardy biennial with shining, blood-red flowers of exceeding brilliance. They are famed for their lasting qualities and are nicely set off by the vivid green, feathery foliage. The plants, 16 to 20 inches high, are valuable for bedding or borders. It will bloom the first year from seed started in February or March, or the seed can be sown outdoors in April. Pkt. 50 cts.

Agrostemma • Rose Campion

Coronaria (Mullein Pink). An attractive, free-flowering plant with silvery white leaves and glowing crimson flowers, borne on long, slender stems, fine for cutting. Blooms the first season if sown early. Ht. 2 ft. Pkt. 15 cts.; ¼oz. 50 cts.

Coronaria alba. A white variety. Pkt. 15 cts.; ¼oz. 50 cts.



Aconitum napellus



Aquilegia caerulea, Mrs. Scott Elliott's Long-spurred Hybrids

Alyssum saxatile compactum is one of the most valuable plants for the rockery where it should be used in liberal masses.

The *Aquilegias* include *Alpina* and *Cærulea*, excellent for rock-gardens, and others particularly fine for the perennial border.



Alyssum saxatile

Alyssum · Rock Madwort

Saxatile compactum (Basket of Gold). A pretty perennial *Alyssum* for rock-gardens and borders. The plants have grey foliage and produce masses of bright yellow flowers in early spring. Ht. 1 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts. For other varieties see Annual List.

Aquilegia · Columbine

The hardy *Columbines* are among the earliest flowering perennials. They are easily grown, thriving in comparatively poor soil and in partial shade, and are general favorites for border planting. Many of the seedlings vary from type but all are beautiful. The long-spurred type gives elegant cut-flowers. If sown in summer, plants will be ready by autumn for transplanting to the border to flower the next spring. Ht. 1 to 3 ft.

Alpina. A very rare variety with powdery blue blooms in May or June. Good for the rock-garden. Ht. 1 ft. Pkt. 15 cts.

Cærulea, Mrs. Scott Elliott's Strain of Long-spurred Hybrids. Allowed by the Royal Horticultural Society to be the best strain ever raised and has received awards at every exhibition where shown. The blooms are large, with very long spurs and range in color through shades of lavender, mauve, blue, purple, cream, yellow, pink, and red, making beautiful group harmonies. Ht. 3 ft. Pkt. 50 cts.

Cærulea (Improved Rocky Mountain Columbine). Pale, blue and white flowers. Ht. 2 ft. Pkt. 25 cts.; $\frac{1}{8}$ oz. 75 cts.

Cærulea, **Rose Queen**. Rose shaded with white. Ht. $2\frac{1}{2}$ ft. Pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.

Chrysantha, **Single**. Golden yellow. Ht. 3 ft. Pkt. 25 cts.; $\frac{1}{8}$ oz. 75 cts.

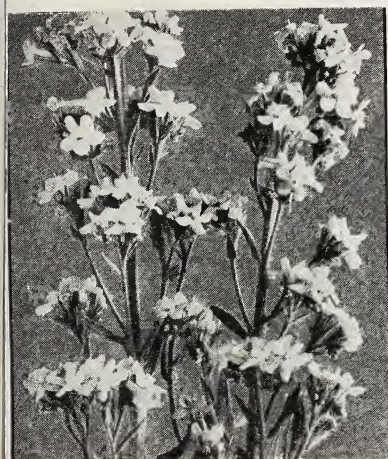
Copper Queen. The petals of this long-spurred variety are of a decided coppery hue. The corolla opens buff and slowly fades to a pure white. Pkt. 50 cts.

Edelweiss. This wonderful variety, growing 16 to 20 inches high, is covered with pure snow-white blooms. Because of its earliness and free-flowering tendency, it should have a place in every perennial border. Pkt. 50 cts.

Glandulosa vera. Large blooms of true, bright sky-blue, the outer corolla of which is white, while the bell is blue outside and blue sharply edged with white inside. This handsome Columbine, with curled spurs, blooms from April to June. Ht. 3 ft. Pkt. 50 cts.; 5 pkts. \$2.

Single Mixed. All colors. Ht. 2 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Double Mixed. All colors. Ht. 2 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.



Anchusa italica, Dropmore



Arabis alpina

Anchusa • Alkanet

italica, Dropmore. The tall, downy, green-foliaged plants bear forget-me-not-like flowers of pale violet-blue from June until September if not allowed to seed. Ht. 4½ ft. Pkt. 15 cts.; ½ oz. 50 cts.
For *Anchusa capensis* see Annual List.

Anemone • Pasque Flower

Pulsatilla. A very pleasing perennial with finely cut, grey-green foliage. The blue and lilac flowers, 2 inches in diameter, are held erect on hairy stems during April and May. Excellent for rockeries and thrives in chalky soil. Sow outdoors in spring and shade during early growth. Does well in sunny location after established. Ht. 1 ft. Pkt. 25 cts.

Arabis • Rock Cress

Alpina. Plants especially adapted for edging and rockery. They form a dense carpet completely covered with pure white blossoms in May. Ht. 6 in. Pkt. 10 cts.; ¼ oz. 50 cts.

Arenaria • Sandwort

Montana. Dwarf, trailing vine suitable for rockeries, forming a dense carpet of foliage covered with small, white, starry flowers in May and June. Ht. 4 to 6 in. Pkt. 25 cts.

Armeria • Thrift

Lauchean. Small pompons of rose-crimson, borne from June to August, on stems above a tuft of grass-like leaves. Fine for edgings and rockeries. Ht. 6 in. Pkt. 25 cts.

Aubrietia • False Wall Cress

Pretty, dwarf-growing rock plants with masses of silvery green foliage and sheets of flowers in spring and early summer.

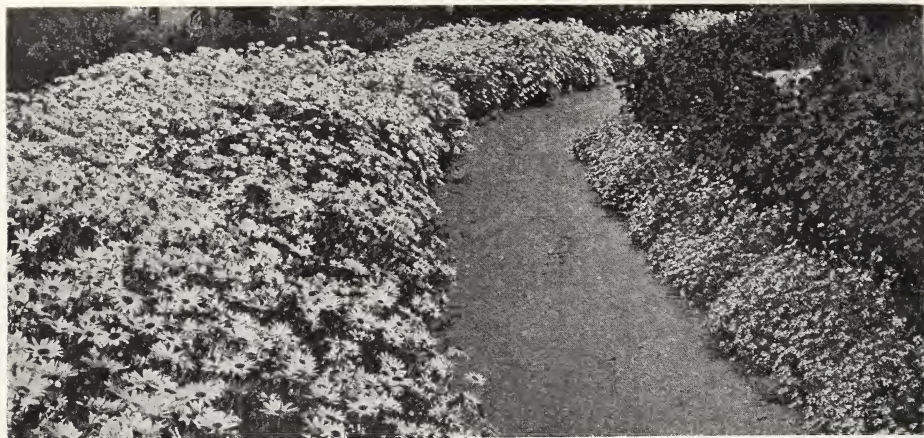
Deltoidea græca. Low, carpet-like plants covered in April and May with large, dark violet flowers. Ht. 6 in. Pkt. 25 cts.

Deltoidea Moerheimi. Similar to *A. deltoidea græca* but with rose-colored flowers. Ht. 6 in. Pkt. 50 cts.

Large-flowering Hybrids. Perpetual bloomers like alyssum in growth. The flower-sprays come in crimson, purple, blue, pink and lilac, with evergreen foliage. Pkt. 25 cts.



Aubrietia deltoidea



Border of Michaelmas Daisies



Aster Farreri

The Hardy Candytufts are extremely useful in the rock-garden, providing sheets of bloom in spring and fine dark foliage the rest of the season.



Candytuft, Sempervirens

Aster

Single-flowering, hardy herbaceous plants thriving in any good garden soil. These flower the second year from seed, and include the best of the American wild sorts.

Alpinus (Blue Mountain Daisy). Compact plants with blue-lavender, daisy-like flowers from June to September. Ht. 5 to 10 in. Pkt. 25 cts.

Farreri. The delightful flowers, from 2½ to 3 inches across, are borne twenty to thirty on each plant, on long stiff stems. They glorify the garden from late April through June. The beauty of the flower, the ray petals of which are a lovely soft tone of violet-mauve, is greatly enhanced by a large golden orange disc. Ht. 2 ft. Pkt. 50 cts.; 5 pkts. \$2.

Michaelmas Daisies, Mixed (Star Wort). Attractive shades saved from a splendid collection. Ht. 1 ft. Pkt. 15 cts.

Subcaeruleus. Bright mauve flowers in June and July. Does well in a sunny location. Ht. 1 ft. Pkt. 25 cts.

Bellis Perennis · English Daisy

Charming perennial flowers for spring bedding purposes. Sow in light soil in early spring and prick out, or sow in August and grow in a coldframe until spring, then transplant outdoors. Prefers a partially shaded position. Ht. 5 to 6 in.

Monstrosa maxima Varieties. Very double and borne on long and rigid stems. **Giant Rose**, **Giant White**, and **Giant Mixed**. Each, pkt. 25 cts.; ¼oz. \$1.50.

Boltonia · False Chamomile

Showy native hardy perennial, with finely petaled daisy-like flowers, from July to September. Excellent for backgrounds as it grows 4 to 6 feet high but requires staking.

Asteroides. Small white aster-like flowers in great profusion, valuable for cutting. Pkt. 15 cts.

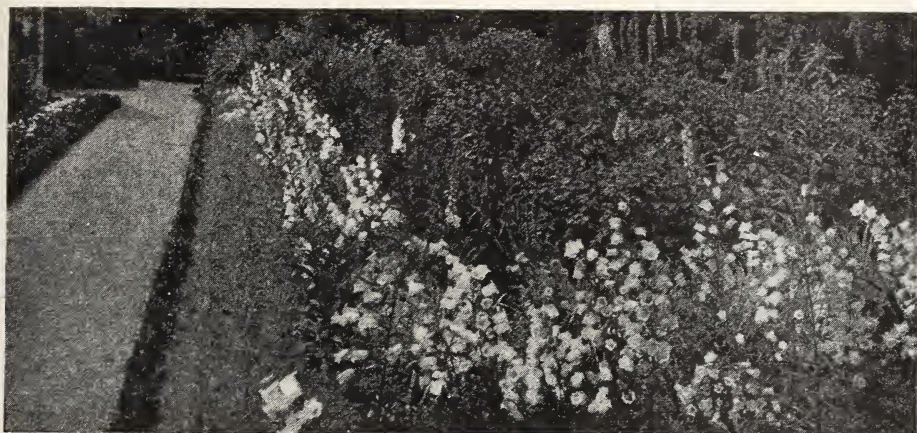
Latisquama. Blue-lavender flowers of unusual beauty. Fine for mixing through bouquets of larger flowers. Pkt. 15 cts.

Candytuft · Iberis

Hardy evergreen plants, making a magnificent showing the second year from seed. They cushion rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place. Ht. 6 to 10 in.

Sempervirens. Profuse, white blooms from April to June, much used for rockeries, etc. Pkt. 25 cts.; ¼oz. \$1.

Gibraltarica. Lavender-pink flowers, shading white; very fine blooms in June and July. Pkt. 15 cts.; ¼oz. 75 cts.



A border of *Campanula Medium*

Campanula

A large, beautiful, and most important family for the flower-garden. The dwarf species are charming for rock-gardens, and not difficult to cultivate. The tall varieties are very striking, ranging from 2 to 5 feet in height, but most effective when planted in a mixed border with early phloxes.

Biennial Varieties

Sow these hardy biennials in summer and transplant to a bed in autumn for flowering the following year. They make effective pot plants for spring flowering, if sown in summer, potted in autumn, and kept in a cool frame through winter.

Medium, Single (Canterbury Bells). Large, bell-shaped flowers in many shades. A small proportion of the seedlings will always vary from color. Ht. 2 ft. **Blue, White, Rose, or Mixed.** Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Medium calycanthema (Cup-and-Saucer Canterbury Bells). This is the finest type of this old-fashioned and much-prized garden plant. Ht. 2 ft. **Blue, White, Rose, or Mixed.** Each, pkt. 15 cts.; $\frac{1}{8}$ oz. 50 cts.

Perennial Varieties

Bears a great profusion of attractive bell-shaped flowers; thriving best in light, rich soil.

Carpatica, Blue (Carpathian Harebell). Free-flowering hardy plants, continuing in bloom the whole season; color clear blue. Good for edging and rock-gardens. Will bloom the first season if sown early. Ht. 6 in. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Carpatica alba. The white-flowered form of the above. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Persicifolia (Peach Bells). Large, cup-shaped single flowers with long, slender leaves. Hardy but fine for pot plants. Ht. 2 ft. **Blue or White.** Each, pkt. 25 cts.; $\frac{1}{8}$ oz. \$1.

Pyramidalis (Chimney Bellflower). Beautiful stately plants for garden culture, with large, tubular flowers. Ht. 5 ft. **Blue or White.** Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Carnations

These will live over winter and flower again next season by giving slight protection with leaves or straw. For giant-flowered annual varieties see Annual List.

Early Dwarf Vienna, Double Mixed. A fine variety for edging. Excellent for cutting. Ht. 1 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Grenadin, or Hardy Border Carnations. Fine double Carnations for outdoor culture, flowering the second season. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.



Campanula pyramidalis

The *Campanula* family is rich in rockery plants, especially those low, trailing species of the *Carpatica* type. Mix the white and blue varieties together.



Hardy Border Carnations



Coreopsis lanceolata



Double Chrysanthemums

Cerastium · Snow-in-Summer

Tomentosum. Grey-foliaged, trailing plants with masses of delicate white flowers in May and June. Delights in a dry, sunny location. Ht. 6 in. Pkt. 15 cts.; 4 pkts. 50 cts.

Chelone · Turtlehead

Torreyi. Beautiful, tubular-shaped, coral-pink flowers, blooming profusely from July to October. A favorite for back-grounds in rockeries. Ht. 3 ft. Pkt. 15 cts.; 4 pkts. 50 cts.

Chrysanthemums

These fine border plants produce a profusion of bloom which lasts well as cut-flowers. For other varieties see Annual List.

Single Varieties

Often called Hardy Daisies and make fine house plants.

Maximum, Mayfield Giant. A giant Daisy, with double row of snow-white petals. Ideal for cut-flowers. Will bloom first season from early-sown seed. Ht. 3 ft. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

Shasta Daisy, Alaska. Splendid flowers 3 inches across, of the purest glistening white, with broad overlapping petals. Will keep a week after cut. Ht. 3 ft. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.

Shasta Daisy, Dwarf Giant-flowered. Growing only 2 feet high, the small, compact plants bear a rich profusion of big, white Daisies. These are very suitable for cutting as the long stems can be cut close to the ground. Pkt. 50 cts.

Double Varieties

Will produce about 75 per cent of double-flowering plants.

Chinese and Japanese, Large-flowering. Will bloom the first year from early sown seed. Many blooms are double or partly double. Ht. 2 to 3 ft. Pkt. 25 cts.

Hardy Pompon Mixed. Old-fashioned fall-flowering sorts, with button-like blossoms. Ht. $1\frac{1}{2}$ ft. Pkt. 25 cts.

Coreopsis · Tickseed

Sow in June and transplant 2 feet apart. Give slight winter covering. Will flower the first year if sown in January. For annual varieties, see Calliopsis in the Annual List.

California Sunbeams. True golden yellow, cosmos-shaped flowers, on fine stems for cutting. Blooms freely all summer. Ht. 2 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Lanceolata grandiflora. Same as above except petals are lanced. Pkt. 10 cts.; $\frac{1}{4}$ oz. 35 cts.

Lanceolata grandiflora, Semi-double. (New.) These have double rows of golden yellow petals. Pkt. 25 cts.; 5 pkts. \$1.



A bed of Shasta Daisies, Alaska

Delphinium · Perennial Larkspur

The stately flower-spikes of these gorgeous Delphiniums tower above the chaste whiteness of Madonna and Regal lilies and break, with their gamut of blue, the monotony of phloxes, to later supplement chrysanthemums and asters.

Delphiniums demand rich, deeply cultivated soil and considerable moisture. If flowers are cut after blooming, and bone-meal added, others will replace them. Start seed in flats in March and later transplant seedlings when $\frac{3}{4}$ inch high to 4 inches apart. In May set the plants out in the border where they will bloom in midsummer. Place mature plants 3 feet apart. For other varieties, see Larkspur in the Annual List.

Watkin Samuels' Hollyhock-flowered and Wrexham Hybrids.

The deft magic of these great English hybridizers has endowed this new strain with flowers of superb size, exquisitely proportioned, on spikes like the tapered spires of ancient gothic cathedrals. These spikes range from 4 to 6 feet, with unusually long blooms of exquisitely colored florets—lovely tones of blues, mauves, lilacs, purples, and violets in indescribably wonderful variations. Pkt. \$1; 3 pkts. \$2.50. See our Plant Catalogue for large field-grown clumps of named varieties of these Hollyhock-flowered and Wrexham Delphiniums.

Giant Exhibition Hybrids, Blackmore and Langdon's Strain.

This unusually fine mixture contains nearly all of the newest varieties developed by these famous English Delphinium specialists. Many of these hybrids have earned gold medal awards in England. The well-filled spikes are superbly colored and grow 6 to 7 feet high. Pkt. 75 cts.; 3 pkts. \$2.

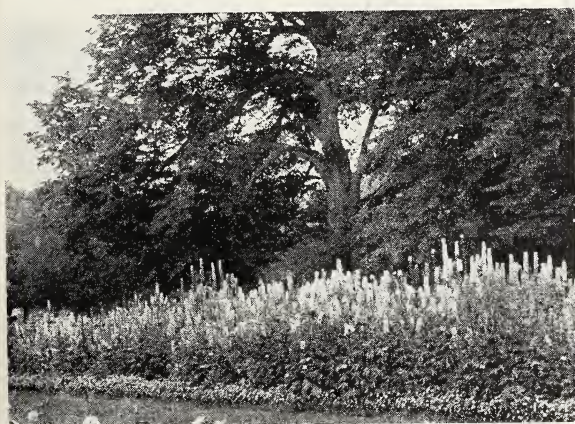
Belladonna Hybrids (Everblooming Hardy Larkspur). This is the freest and most continuous blooming Hardy Larkspur. Not equaled for the delicacy and beauty of the flowers in clear turquoise and other blue shades. A really exquisite variety. Ht. 4 ft. Pkt. 50 cts.; 5 pkts. \$2.

Belladonna Improved. Large, strong spikes of a beautiful, clear turquoise-blue color. Pkt. 35 cts.; 4 pkts. \$1.

Formosum. Beautiful spikes of rich blue flowers, with a white center. Will bloom first season from early sown seed. Ht. 2½ ft. Pkt. 25 cts.; 5 pkts. \$1.

Gold-Medal Hybrids. This is one of our most important specialties, and one of the finest strains of mixed hybrids. The plants are of strong, vigorous habit, 4 to 5 feet high, with large flowers on spikes 2 feet long and over, the majority running in the lighter shades of blue. Pkt. 25 cts.; 5 pkts. \$1.

Tom Thumb. This miniature Delphinium grows 10 to 12 inches high, with strong spikes of ultramarine-blue flowers from June to October. Pkt. 25 cts.; 5 pkts. \$1.



A beautiful Delphinium border



Wrexham Delphiniums



Dianthus deltoideus

All these Hardy Pinks are charming and easy to grow. They like sun, well-drained soil, and are at home in the rockery or when used for edging. With few exceptions they are very fragrant.



Digitalis gloxiniaeflora



Dianthus plumarius

Dianthus · Hardy Dwarf Garden Pinks

These hardy perennials are unsurpassed for color and fragrance, and are splendid for borders. They bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Sow seed in the open in early spring when frost is past, and if the situation is open they will flower luxuriantly in a few weeks' time and continue until hard frost. Thin out seedlings to stand 6 inches apart. The double-flowering varieties are quite as fine as carnations for cutting. For annual dwarf varieties see Annual List.

Allwoodi, Mixed. A splendid strain, being half Carnation and half Pink. 75 per cent come double. Pkt. 50 cts.

Allwoodi alpinus. A wonderful plant for rock-gardens and stone walks. The tiny plants, only 4 inches high, are covered with small, Dianthus-like flowers ranging through purple, white, pink, and the darker rose shades. Pkt. 50 cts.

Barbatus. See Sweet William.

Deltoideus (Maiden Pink). Beautiful, single coral-pink flowers with dark eye, borne 8 inches high in June and July, above grey foliage. Pkt. 25 cts.; 5 pkts. \$1.

Plumarius, Single Mixed (Pheasant's-Eye Pink). Large, single, fringed flowers, beautifully marked in many colors; delightfully fragrant. Will bloom the first season from early-sown seed. Ht. 1 ft. Pkt. 15 cts.; 1/4 oz. 75 cts.

Plumarius, Double Mixed (Double Hardy Garden Pinks). Double and semi-double varieties. Pkt. 15 cts.; 1/4 oz. 75 cts.

Plumarius semperflorens (Everblooming Hardy Pinks). Very beautiful, sweet-scented, double, semi-double, and single flowers in great diversity of color. Pkt. 25 cts.; 1/4 oz. \$1.

Digitalis · Foxglove

Beautiful biennial flowers for the tall border, with towering spikes of conical, bell-like blossoms and large, sage-green foliage at the base. Although they self-sow, they are best treated as biennials, blooming the second season from seed sown during spring or summer. Ht. 3 to 7 ft.

Canariensis. Pure, delicate canary-yellow. Ht. 3 ft. Pkt. 25c.

Gloxiniæflora. Large, spotted, gloxinia-like flowers, produced on long spikes. Purple, White, Rose, or Mixed. Each, pkt. 10 cts.; 1/4 oz. 50 cts.

Purpurea monstrosa, Mixed. A very unusual and showy form in which the upper flowers are united into one very large, cup-shaped blossom. Pkt. 15 cts.; 1/4 oz. 75 cts.

Shirley, New Giant. A new creation of Rev. Wilkes who introduced the Shirley poppy. The greatest improvement over Purpurea. It grows 7 feet tall. Color from white to dark rose and blotched form. Pkt. 25 cts.; 5 pkts. \$1.

Edelweiss · Leontopodium

Alpinum. A true Swiss alpine with downy white leaves and white, horned flowers having yellow, knotted centers in June and July. Ht. 5 in. Pkt. 25 cts.



Gypsophila paniculata, Double, Snow-White



Gaillardia, Portola Hybrids

Gaillardia

Showy and handsome for beds and borders. The flowers are daisy-like with red petals tipped yellow having dark red centers. Sow in summer, transplanting to permanent positions during autumn. For other varieties see Annual List.

Grandiflora maxima. Very attractive golden yellow flowers held erect on long stems. Will bloom the first season from early-sown seed. Ht. $2\frac{1}{2}$ ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Grandiflora, The Dazzler. This fine variety produces larger flowers, often 4 to 5 inches across. The color is a bright golden yellow, with rich maroon-red center. The plant is vigorous, throwing up a profusion of long, erect flower-stalks; excellent for cutting. Pkt. 25 cts.; 5 pkts. \$1.

Grandiflora, Portola Hybrids. New form in bronze-red, tipped with yellow and having beautiful foliage. Ht. 2 to 3 ft. Blooms from May to November. Pkt. 25 cts.; 5 pkts. \$1.

Gentiana • Blue Gentian

Beautiful border and rock-plant with shades of blue surpassing those found in any other family. Grows in moist, shady situation in sandy lime loam.

Acaulis (gentianella). Stemless, deep blue flowers from March to May. Ht. 4 in. Pkt. 25 cts.

Geum • Avens

A beautiful double flower much prized for its brilliance of color and earliness of bloom. Equally in demand as a border edging, rock-garden and cutting plant. Blooms from June to September and flowers the first year from seed sown outdoors in early spring.

Lady Stratheden. Has double yellow flowers from June to September. Ht. 2 ft. Pkt. 25 cts.

Mrs. Bradshaw. Dark orange-scarlet flowers like a double violet, borne 2 feet above a rosette of leaves. Pkt. 25 cts.

Orange Queen. Of a color between Lady Stratheden and Mrs. Bradshaw, beautiful intense orange. Pkt. 50 cts.

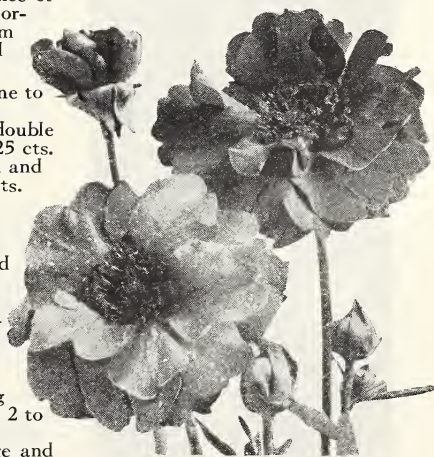
Gypsophila • Baby's Breath

The well-known feathery tiny flowers so much used by florists in bouquets. For annual varieties see Annual List.

Paniculata (Baby's Breath). One of the favorite hardy perennials with minute white flowers; fine for bouquets. Blooms in June and July first year if sown early. Ht. 2 to 3 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Paniculata, Double, Snow-White. The double-flowering Baby's Breath. A fine hardy plant for cutting. Ht. 2 to 3 ft. Pkt. 25 cts.; 5 pkts. \$1.

Repens (Dwarf Baby's Breath). Has light grey foliage and pale rose flowers in June and July. Ht. 6 in. Pkt. 25 cts.



Geum



Helianthemum vulgare



Hollyhock, Double Exquisite



Japanese Iris

Helianthemum • Rock Rose

Vulgare mutabile. A shrubby evergreen with rose to white flowers with yellow bases in June and July. Good for sunny spots in the rock-garden. Ht. 8 to 12 in. Pkt. 15 cts.

Heuchera • Coral Bells

Sanguinea splendens. Coral-pink bells, above a whorl of leaves from May to September. Ht. 2 ft. Pkt. 25 cts.

Hibiscus • Mallow

Strong, bushy plants with large flowers, like single hollyhocks, late in summer. Like a moist situation and last for years when once established. Sow indoors in March in pots.

Crimson Eye. Large, pure white flowers with velvety crimson centers. Ht. 4 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Honesty • Moonwort

Lunaria biennis. A biennial, admired for its silvery seed-pouches, used for winter bouquets. It has beautiful cross-shaped flowers. Sow in open in May, protect over winter. Ht. 2 ft. Purple or White. Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Hollyhock

A hardy biennial of upright, stately growth, 5 to 8 feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in a garden, or background next to a building or high wall. From seed sown in early spring, they may produce a few flowers in late summer, but are best the second year. For annual varieties see Annual List.

Double Exquisite. Flowers very double, each petal exquisitely curled and fringed, with a broad margin of white, the centers being shades of rose, carmine, purple, and violet. In form they suggest the beautiful double fringed petunias while in color they resemble the pelargoniums. Lovers of Hollyhocks will welcome this magnificent new type. Pkt. 25 cts.; 5 pkts. \$1.

Superb Double. Tall spikes, closely set with wonderfully showy, double flowers. Many will flower the first season from seed sown the previous fall. They reseed themselves; a bed will last for years. Ht. 7 ft. Salmon-Rose, Scarlet, Pure White, Maroon, Light Yellow, Newport Pink, or Mixed. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Fringed Single Hybrids, Mixed. These come in white, pink, rose, yellow, and maroon. The plants are more hardy and permanent than the double varieties. Pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Incarvillea • Fairy Trumpets

Grandiflora. This has large, rose trumpet-shaped flowers on stems $1\frac{1}{2}$ feet high above fern-like foliage in June and July. Likes a sunny location. Pkt. 50 cts.

Iris Kaempferi

Japanese, Mixed. Showy perennial plants with grass-like leaves used extensively in the hardy border. Flowers are enormous in violet, purple, white, blue, blue-violet, and veined, with yellow centers. Blooms in July of the second year. Seed germinates very slowly. Ht. 1 to 3 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Lavender • Lavandula vera

True Lavender. Popular sweet-scented hardy perennial; fine for sunny borders. Give winter protection. Long spikes of fragrant blue flowers with grey foliage. Needs light soil. Ht. 3 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 50 cts.

Linaria

Cymbalaria (Kenilworth Ivy). Lavender and purple. A charming, neat, hardy perennial trailing plant, for baskets, vases, or rockeries. Pkt. 15 cts.; 2 for 25 cts.

Linum • Blue Flax

Perenne, Blue. Showy plants of long duration, having fine foliage and delicate stems, with deep blue flowers from May to August. Ht. 1½ ft. Pkt. 10 cts.; ¼ oz. 35 cts.

Lobelia

Tall hardy perennial, with showy spikes of richly colored flowers. They are indispensable for permanent beds and do best in rich moist soil. For other varieties see Annual List.

Cardinalis (Cardinal Flower). Long, full spikes of intense flaming scarlet flowers, with green foliage. Fine in shrubbery. Ht. 2 ft. Pkt. 25 cts.; 5 pkts. \$1.

Cardinalis, Queen Victoria. Very brilliant scarlet spikes with bronze foliage. Pkt. 50 cts.

Lupinus Lupine

This pea-shaped flower, with grey-green leaves, succeeds in any garden soil, and blooms in May and June. Do not transplant. Ht. 3 ft. For other varieties see Annual List.

New Hybrids, Polyphyllus-arboreus. This beautiful new type, the result of crossing *L. polyphyllus* and *L. arboreus*, combines the characteristics of both and embraces new and rare colors heretofore never seen in Lupines. The plants grow 4 to 5 feet tall in a large bushy form. This is an excellent perennial plant for the border and invaluable for cutting. We offer this unusual strain in six colors: **Captivation** (soft blue); **Downer's Delight** (deep rose); **Evening Glow** (mauve and yellow); **Queen of the West** (soft primrose); **Seraphine** (mauve and gold); **Zulu** (deep violet-purple). Each, pkt. 50 cts. or 1 pkt. each of all 6 for \$2 50.

Polyphyllus. Blue, White, or Mixed. Pkt. 15 cts.; oz. 75 cts. **Rose.** True rose, a rare color in Lupines. Pkt. 25 cts.; oz. \$1.

Lychnis • Campion

Handsome hardy perennials, for massing in beds, blooming the first year, if sown early. Easy to grow and thriving in poor soil. Petals arranged like a Maltese Cross.

Chalcedonica, Scarlet. Erect plants, with clusters of flowers at the top. Ht. 2 ft. Pkt. 15 cts.

Haageana Hybrids. Orange, scarlet, crimson flowers over 2 inches across in May and June. Ht. 1 ft. Pkt. 15 cts.

Salmon Queen. (New.) A beautiful salmon-rose. Pkt. 25 cts.

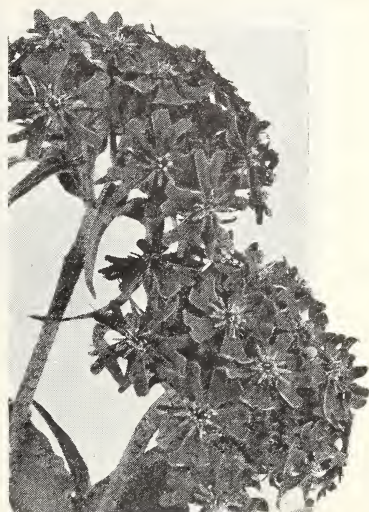
Viscaria splendens (German Catchfly). Fragrant, rose-pink and crimson flowers resembling double pinks, and evergreen foliage. Blooms in May and June. Ht. 1 ft. Pkt. 15 cts.

Meconopsis • Thibetan Poppy

Baileyi. This recent introduction is a perfectly hardy perennial poppy, growing 2 to 3 feet high, and freely bearing beautiful sky-blue blooms with golden yellow anthers. It is a flower of very unusual beauty. Pkt. 50 cts.

Integrifolia maxima. These beautiful Poppies are alpine biennials, 1 to 3 feet tall, with large flowers of bright sulphur-yellow. They were found growing in the Himalaya Mountains by Captain Kingdon Ward and brought to England where they were awarded the First-Class Certificate of the Royal Horticultural Society. Pkt. 50 cts.

Wallichii (Satin Poppy). Resembles Iceland Poppy in its grey-green foliage, but differs in its satin-crinkled flower of pale blue. Plant in a cool, moist, shady location. It grows 4 feet high and is a native of western China. Pkt. 50 cts.



Lychnis chalcedonica



Meconopsis Baileyi



Lupinus polyphyllus



Myosotis palustris

Plant Forget-me-nots over the tulip-beds, or mix them with primroses in a shady corner of the garden. They are splendid for edging.



Pentstemon, Sensation



A permanent border of *Phlox decussata*

Myosotis • Forget-me-not

Lovely little plants for moist and shady situations. Sow seed in late spring or early summer for blooming the following season. Protect over winter. The plants can be lifted in the fall for winter flowering. For other varieties see Annual List.

Palustris. The true Forget-me-not. Dainty, pale blue flowers on dwarf, bushy plants 8 inches high. Blooms from June to October. Pkt. 20 cts.; $\frac{1}{8}$ oz. \$1.50.

Palustris semperflorens. Pale blue flowers in pretty sprays from May until autumn. Pkt 15 cts.; $\frac{1}{8}$ oz. \$1.25.

Nepeta • Caucasian Catmint

Mussini. Blue-lavender spikes profusely borne from April to June. It is a good edger with sheets of grey-green foliage. Ht. 8 in. Pkt. 25 cts.

CEnothera • Evening Primrose

It is very interesting to watch the flowers unfold their petals at twilight. Sow seed outdoors in May.

Lamarckiana. This bears sweet-scented, golden yellow flowers from July to October. Ht. 3 ft. Pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Missouriensis. Large, golden yellow flowers on trailing stems from June to August. The leaves are erect, like small palm fronds. Ht. 10 in. Pkt. 25 cts.

Pentstemon

Border plants which grow continuously an abundance of brilliant flowers, somewhat like the foxglove, but with white throats. Sow seeds in a pan of light soil and transplant.

Coral Pink. A charming, hardy border plant 2 to 3 feet high, with a profusion of coral-pink bloom. Pkt. 25 cts.; 5 pkts. \$1.

Sensation. As a bedding plant this takes rank with the petunia, phlox, etc. It grows about 2 feet high, every branch being a spike of large, gloxinia-like flowers in bright colors, including rose, red, carmine, cherry, pink, lilac, purple, etc. Not quite hardy, and best treated like petunias, verbenas, salvia, etc. Pkt. 15 cts.; 2 pkts. 25 cts.

Phlox Decussata

Splendid hardy border flowers, lasting for years when established on good soil, and blooming from July to September. Seed germinates slowly.

Tall Large-flowered Mixed. From selected varieties, in white, pink, salmon, rose, crimson, and lavender. Ht. 3 ft.

Dwarf Large-flowered Mixed. Same but about 1½ feet high.

Each, pkt. 25 cts.; 5 pkts. \$1



An effective planting of *Primula japonica*

Platycodon • Chinese Bellflower

A hardy perennial bearing large, broad, star-shaped bells which are very handsome for garden decoration. Blooms in August from seed sown outdoors in April.

Grandiflora. After the plants are well established they bear flowers 3 inches across in June and July. Ht. 2 ft. Blue or White. Each, pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Mariesi. Dwarf habit, with deep blue flowers in June and July. Ht. 1 ft. Pkt. 15 cts.



Platycodon grandiflora

Hardy Perennial Poppies

There are no flowers more ornamental and useful than Poppies. They increase in size and beauty each season.

Iceland, Giant Orange. This new color is a pure orange without any trace of red. It is unusually brilliant, and is accentuated by the green foliage. Pkt. 35 cts.

Iceland, Double Mixed (*Papaver nudicaule*). Very graceful, dwarf, tufted plants bearing many dainty flowers throughout the summer. It comes in white, yellow, and orange. Lasts well if cut when in bud and flowers the first year from early-sown seed. Ht. 1 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Iceland, Single Mixed. Free-flowering in colors as above. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Orientele (Oriental Poppy). A charming, showy, early summer-flowering plant, with large orange-scarlet blooms, each petal being blotched with black. Sow seed in open ground early in the spring. Ht. 2 to 3 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Orientele Hybrids. White, blood-red, salmon and scarlet, blooming in June and July. Pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Orientele, Mrs. Perry. Clear salmon-pink with black blotches at the center. It fills a need where the scarlet and orange forms clash with early pink Peonies. Pkt. 25 cts.; 5 for \$1.

Sunbeam Bouquet. A new race, resembling the Iceland; in maize, creams, and tones of rose. Blooms from June to September. Ht. 1 ft. Pkt. 25 cts.; 5 pkts. \$1.

Primula

These are among the best of the early spring-blooming plants. Useful for rockeries and shaded borders and for pot-culture. With slight protection they will stand the winter, but will do better if protected by a coldframe.

Auricula. Maroon, purple, crimson, and yellow flowers in umbels in April and May. Ht. 6 in. Pkt. 25 cts.; 5 pkts. \$1.

Cashmeriana. Early-flowering hybrids, producing large heads of white, mauve, purple, and violet flowers. Pkt. 50 cts.

Japonica, Mixed. Fine for the garden, producing several whorls of large flowers, on erect stems, varying from white to crimson. Ht. $1\frac{1}{2}$ ft. Pkt. 25 cts.; 5 pkts. \$1.

Polyanthus. Colors range from white to deep maroon, yellow, rose, and crimson. Ht. 9 in. Pkt. 25 cts.; 5 pkts. \$1.

Veris, Officinalis Hybrids, Mixed (Cowslip). Bright blue and white flowers in April and May. Ht. 6 to 8 in. Pkt. 25 cts.

Vulgaris (English Primrose). Fragrant, pale yellow flowers in April. The plants are hardy. Ht. 9 in. Pkt. 25 cts.



Oriental Poppies



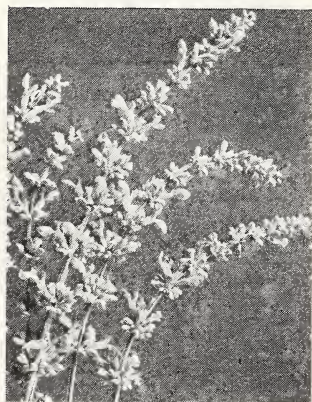
Pyrethrum, Select Single Hybrids



Saponaria ocymoides



Double Hybrid Pyrethrum



Salvia farinacea

Salvia farinacea is especially handsome when grown behind a line of soft pink petunias. It is handsome for many weeks.

Pyrethrum • Painted Daisy

No hardy border should be without these charming plants, as their flowers and foliage make the garden delightful.

Atrosanguineum. Daisy-like, dark carmine flowers elegant for cutting. Plants are hardy. Ht. 2 ft. Pkt. 25 cts.; 5 pkts. \$1.

Select Double Hybrids. Similar to the Select Single Hybrids below, except that centers are tufted, resembling a double China Aster. Ht. 2½ ft. Pkt. 25 cts.; 5 pkts. \$1.

Select Single Hybrids. Flowers range from the palest pinks to deep red, the bright yellow centers forming a lovely contrast. They bloom during May and again in the fall. Excellent for cut-flowers. Ht. 2½ ft. Pkt. 25 cts.; 5 pkts. \$1.

Salvia

Farinacea, Blue. A perennial variety, but best grown as an annual. Seeds sown in the open ground in May bloom from July to frost. The light blue flower-spikes contrast nicely with yellow flowers. Ht. 2 ft. Pkt. 15 cts.; ½ oz. 75 cts.

Santolina • Lavender Cotton

Tomentosum. A very finely cut, lavender-grey-foliaged evergreen plant, small yellow flowers. Ht. 1½ ft. Pkt. 25 cts.

Saponaria • Rock Soapwort

Ocymoides. Rock-plant with grey foliage and sheets of crimson flowers in May and July. Ht. 1 ft. Pkt. 15 cts.

Saxifraga • Rockfoil

Decipiens grandiflora. An alpine with a massing of charming white flowers from April to May. Ht. 1½ ft. Pkt. 35 cts.

Species Mixed. White, rose, carmine and purple Alpine Saxifrage blooming in April and May. Ht. 1 ft. Pkt. 25 cts.

Scabiosa • Pin-Cushion Flower

This easily grown cutting and garden flower blooms from July until frost. Plant 1 foot apart and keep flowers cut to prolong bloom. For other varieties see Annual List.

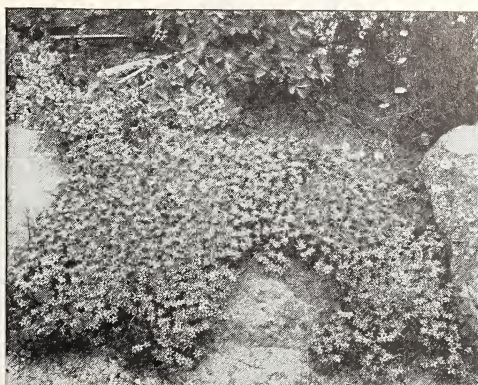
Caucasica. Hardy with large, pale blue flowers on long stems; valuable for cutting. Ht. 3 ft. Pkt. 15 cts.; ½ oz. \$1.

Columbaria. South Africa has given us this very low-growing, hardy plant with flowers 2 to 2½ inches across in two colors: **Lavender-Blue and Pink.** Each, pkt. 50 cts.

Japonica. Beautiful lavender-blue flowers on 2½-foot, bushy plants. Pkt. 15 cts.; ½ oz. \$1.



Stokesia cyanea



Sedum acre

Sedum • Stonecrop

Acre (Golden Moss). Has grey fleshy leaves and flowers of bright yellow. Fine for rockeries and edging. Blooms from May to July. Ht. 2 to 3 in. Pkt. 25 cts.

Anglicum (White and Pink Stonecrop). Has grey-green foliage and white and pink blooms in May. Ht. 4 in. Pkt. 25 cts.

Fabaria (Rose Stonecrop). Has rose blooms in April and May. Ht. 4 in. Pkt. 25 cts.

Sempervivum • Houseleek

Mixed. An assortment of hardy plants important to every rock-garden. They have fleshy rosettes of green and bronze shades. Ht. 6 to 12 in. Pkt. 25 cts.

Sidalcea

This is a charming hardy perennial with long, graceful spikes of mallow-like flowers, measuring $1\frac{1}{2}$ to 2 inches across. It is most satisfactory for cutting and for the border.

Hemsley's New Hybrids. This is a fine improvement over the older strains with larger flowers embracing beautiful shades of pink, salmon, red, and white. The plants, 2 to 3 feet high, continue in bloom from June to September. Pkt. 50 cts.

Statice • Sea Lavender

Makes borders gay for a long time with its cloud-like masses of flowers of delicate color and graceful habit. Used to lighten bouquets. For other varieties see Annual List.

Incana (Sea Lavender). White panicles of flowers borne above clumps of large leaves from August to September. Plant in the rock-garden. Ht. 1 to 2 ft. Pkt. 10 cts.

Latifolia. Has large, branching heads of blue flowers invaluable for the perennial border and to dry for winter decoration. Ht. 2 ft. Pkt. 15 cts.

Stokesia • Cornflower Aster

Cyanea, Blue. A rare and beautiful plant with handsome, cornflower-like, pale blue blossoms, 3 inches in diameter, from July till frost. Fine for the hardy border and for cutting. Ht. 2 ft. Pkt. 15 cts.; $\frac{1}{4}$ oz. \$1.

Sweet Rocket • Hesperis

Produces clusters of sweet-scented flowers, nice for the borders and for cutting. Thrives in poor soil. Ht. 2 ft. **White** or **Purplish Pink.** Each, pkt. 10 cts.; $\frac{1}{8}$ oz. 25 cts.



Sweet Rocket



Statice latifolia

All of the Stonecrops or Sedums are excellent rock-plants, grow rapidly, and thrive on neglect in the most un hospitable places.



Tritoma Hybrids

Try Newport Pink Sweet William in front of Delphinium with white Snapdragons or other white flowers.



Veronica prostrata



Viola odorata



Sweet William

Sweet William (*Dianthus barbatus*)

A free-flowering, hardy perennial, that is splendid in beds and borders with its rich and varied flowers. Sow seed August 1 and transplant in September to sunny borders. If sown in early spring, will not bloom until the second season.

Holborn Glory. This single strain has individual flowers and trusses of extraordinary size, each flower showing a clear, white eye. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Newport Pink. A distinct new color in Sweet Williams—salmon-pink. The flowers are borne in massive heads, on stems $1\frac{1}{2}$ feet high. It has no equal for midseason mass bedding and for cutting. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Scarlet Beauty. Superb, vivid scarlet blooms, 2 feet tall, in May and June. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Single. Charming combinations of color are easily effected by planting the separate colored varieties. **Crimson, White, Black-Red, or Mixed.** Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 50 cts.

Double. Fine for bedding where full-flowered masses of separate colors are wanted. **White, Crimson, Black-Red, Rose, or Mixed.** Each, pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Dwarf Double Mixed. Large, full, double, compact blooms on stems 6 to 8 inches high, in white, pink, and red. Pkt. 15 cts.; $\frac{1}{4}$ oz. 75 cts.

Tritoma • Red Hot Poker

Stark's Perpetual Early-flowering Hybrids. A valuable half-hardy border plant. If sown indoors February 1, the plants will produce their attractive salmon and scarlet, thick flower-spikes in August and September. Ht. 3 ft. Pkt. 25 cts.; 5 pkts. \$1.

Valeriana • Garden Heliotrope

Showy, hardy plants with deeply cleft leaves and large heads of white and red flowers on 3 to 5 foot stems, emitting a delicate heliotrope odor.

Mixed. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.

Veronica • Speedwell

Prostrata. A dwarf kind of the ever-popular Speedwell, with spikes of deep blue in June and July. Ht. 6 in. Pkt. 25 cts.

Repens. The plants of this early native variety are of trailing habit with blue and white flowers from April to June. Ht. 3 in. Pkt. 25 cts.

Viola • Violet

Odorata (Sweet-scented English Violet). A very fragrant, large-flowered strain that is quite hardy. **Blue and White.** Each, pkt. 25 cts.; 5 pkts. \$1.

Forbes Fine Seeds of Perennial Climbers

These climbers, with their light texture, excel in softening the lines of fences, in festooning lattices, and in enhancing arbors and doorways, or, with their heavy texture, in screening unsightly views. Sow seed in fall, and transplant in spring, unless otherwise noted.

Adlumia • Mountain Fringe

Cirrrosa (Allegheny Vine). A light, hardy, 15-foot biennial vine. In both pink flower and leaf delicacy it resembles Bleeding-Heart. Sow in spring and transplant in fall; it thrives in semi-shade and leaf-mold. Pkt. 25 cts.

Ampelopsis • Boston Ivy

Veitchi. A hardy perennial climber with three-part leaves which turn to vivid scarlet in the autumn. The best covering for brick and stone walls. It needs no support, stands dust and smoke from chimneys very well. Pkt. 10 cts.

Aristolochia • Dutchman's Pipe

Sipho. Rapid-growing, luxuriant, hardy perennial climber with large, heart-shaped leaves and curious brown-purple flowers, resembling pipes. Fine for screens and covering unsightly objects. Ht. 30 ft. Pkt. 10 cts.



Aristolochia sipho

Bittersweet • Celastrus scandens

This native plant of rapid growth, succeeds in almost any situation, sun or shade, has attractive light green foliage and small cream flowers during June, followed in autumn by bright orange capsules which burst to show red berries and remain on the plant throughout the winter. Pkt. 25 cts.

Clematis

One of the best medium climbers for trellis and veranda, seldom diseased, and grows 15 to 20 feet high.

Paniculata (Virgin's Bower). Star-like, small, scented blossoms, followed by grey ostrich-feathered seeds in September. Pkt. 15 cts.; 4 pkts. 50 cts.

Jackman's Hybrids. Have large, star-shaped blooms 6 inches across, deep violet, red-violet, or white, in both single and double form. Pkt. 25 cts.; 5 pkts. \$1.



Clematis paniculata

Kudzu Vine • Pueraria

Japanese. Hardy climbing plant growing 8 to 10 feet the first year from seed. After established it will climb 25 to 50 feet in a season, freezing down each winter but coming up from the roots again in the spring. This vine is large-leaved, suitable for screening and producing dense shade. It bears small racemes of rosy purple, pea-shaped blossoms toward the close of August. Pkt. 10 cts.; ¼ oz. 30 cts.

Lathyrus latifolius • Everlasting Pea

The flowers resemble Sweet Peas and are showy but not fragrant. They thrive in any good soil, are fine for low trellises and posts, and bloom all summer. Ht. 6 ft.

Giant White Pearl and Giant Pink Beauty. Very desirable for cut flowers. Each, pkt. 15 cts.; ¼ oz. 40 cts.



Ampelopsis Veitchi

Forbes Flower Seeds for Rock-Gardens

We know of nothing in flower-culture more interesting than the planning and development of a rock-garden. In most of our gardens there is opportunity for one, however small. It requires little room and slight care, and provides unusual garden joy. A terrace difficult to keep in lawn, a steep bank alongside a driveway, or an old building foundation will serve as a location, or the rock-garden may be built up above the garden level. The plants suited to rock-gardens have a peculiar charm. Each serves its purpose—as a ground-cover, as a crevice plant, as a trailer to hang over rock ledges, as a taller background plant, or as an accent of color. Many rock-plants may easily be raised from seed. Of those shown below, all are hardy, some are quite rare, and many have unusual interest.



Arabis alpina



Aubrietia deltoidea

Alyssum saxatile compactum (Basket of Gold). Small, bright yellow flowers in April and May. Ht. 12 in. Pkt. 15 cts.

Anemone Pulsatilla (Pasque Flower). Lovely blue and lilac flowers held above the finely cut, grey-green foliage during April and May. Ht. 12 in. Pkt. 25 cts.

Aquilegia alpina (Alpine Columbine). A rare variety with powdery blue flowers in May. Ht. 12 in. Pkt. 15 cts.

Arabis alpina (Rock Cress). The foliage forms a dense carpet which is completely covered with small white flowers in May. Ht. 6 in. Pkt. 10 cts.

Arenaria montana (Sandwort). This dwarf, trailing foliage forms a green mat and bears small, white, starry flowers in May and June. Ht. 5 in. Pkt. 25 cts.

Armeria Lauchearia (Sea Thrift). Small, rose-crimson, globular flowers borne on stems above a cushion of grass-like leaves from June to August. Ht. 6 in. Pkt. 25 cts.

Aster alpinus (Blue Mountain Daisy). Compact plants with blue-lavender, daisy-like flowers from June to September. Ht. 10 in. Pkt. 25 cts.

Aster subcæruleus (Lilac Alpine Aster). Bright mauve, daisy-like flowers in June and July on dwarf plants. Likes a sunny location. Ht. 12 in. Pkt. 25 cts.

Aubrietia deltoidea graeca (False Wall Cress). Low, carpet-like plants, covered with dark violet flowers in April and May. Ht. 6 in. Pkt. 25 cts.

Aubrietia deltoidea Moerheimi (Rose Wall Cress). Dense mats of foliage, bearing many deep rose-colored flowers in April and May. Ht. 6 in. Pkt. 50 cts.

Campanula carpatica alba (White Carpathian Harebell). Small, white, bell-shaped flowers throughout the summer. Ht. 6 in. Pkt. 15 cts.

Campanula carpatica, Blue (Blue Carpathian Harebell). Free-flowering, hardy plants continuing in bloom the whole season. Ht. 6 in. Pkt. 15 cts.

Cerastium tomentosum (Snow-in-Summer). Grey-foliaged trailing plants covered with delicate white flowers in May and June. Likes dry sunny spot. Ht. 6 in. Pkt. 15 cts.

Chelone Torreyi (Turtlehead). Beautiful, tubular-shaped, coral-pink flowers blooming profusely from July to October. Fine for backgrounds. Ht. 3 ft. Pkt. 15 cts.

Delphinium, Tom Thumb (Baby Larkspur). Short, strong spikes of ultramarine-blue flowers from June to October. Ht. 12 in. Pkt. 25 cts.

Dianthus Allwoodi alpinus. Small, *Dianthus*-like flowers in purple, pink, white, and rose shades. Ht. 4 in. Pkt. 50 cts.

Dianthus deltoides (Maiden Pink). Beautiful, single, coral-pink flowers with dark eyes above grey foliage in June and July. Ht. 8 in. Pkt. 25 cts.



Aquilegia alpina

Edelweiss (True) (*Leontopodium alpinum*). A Swiss alpine with downy white leaves and horned flowers, having yellow knotted centers, in June and July. Ht. 5 in. Pkt. 25 cts.

Geum, Lady Stratheden. Attractive, double yellow flowers on long stems above a rosette of base leaves. Blooms from June to September. Ht. 2 ft. Pkt. 25 cts.

Geum, Mrs. Bradshaw. Similar to the above, but with dark orange-scarlet, double flowers. June to September. Ht. 2 ft. Pkt. 25 cts.

Gypsophila repens (Dwarf Baby's Breath). Trailing, light grey foliage with small white or pale rose flowers in June and July. Ht. 6 in. Pkt. 25 cts.

Helianthemum vulgare mutabile (Rock Rose). A shrubby evergreen for sunny locations with single and semi-double rose to white flowers in June and July. Ht. 10 in. Pkt. 15c.

Heuchera sanguinea splendens (Coral Bells). Beautiful coral-pink bells, gracefully held on slender stems above a whorl of leaves from May to September. Ht. 2 ft. Pkt. 25 cts.

Iberis gibraltarica (Perennial Candytuft). Lavender-pink flowers shaded white, in June and July. Ht. 8 in. Pkt. 15c.

Iberis sempervirens (Perennial Candytuft). Cushions of Evergreen foliage with profuse white bloom from April to June. Prefers a sunny location. Ht. 8 in. Pkt. 25 cts.

Incarvillea grandiflora (Fairy Trumpets). Clusters of large, rose, trumpet-like flowers on long stems above the fern-like foliage in June and July. Likes sun. Ht. 2 ft. Pkt. 50 cts.

Linum perenne, Blue (Blue Flax). Hardy plants with fine foliage and deep blue flowers on delicate stems from May to August. Ht. 1½ ft. Pkt. 10 cts.

Lychnis Haageana Hybrids. Orange, scarlet, and crimson, 2-inch flowers, in May and June. Ht. 1 ft. Pkt. 15 cts.

Lychnis viscaria splendens (German Catchfly). Evergreen foliage with fragrant, rose-pink and crimson flowers, like double pinks, in May and June. Ht. 1 ft. Pkt. 15 cts.

Myosotis palustris (True Forget-me-not). Dainty, small, pale blue flowers on dwarf, bushy plants from June to October. Ht. 8 in. Pkt. 20 cts.

Nepeta Mussini (Caucasian Catmint). Tiny blue lavender spikes blooming from April to June. Ht. 8 in. Pkt. 25 cts.

Oenothera missouriensis (Evening Rock Primrose). Large, golden yellow flowers on trailing stems from June to August. Ht. 10 in. Pkt. 25 cts.

Platycodon Mariesi (Dwarf Balloon Flower). Deep blue, star-shaped bells on erect stems in June. Ht. 1 ft. Pkt. 15 cts.

Poppy, Sunbeam Bouquet (*Papaver nudicaule* Hybrids). A new strain of the Iceland Poppy in tones of rose, maize, and cream. Blooms June to September. Ht. 1 ft. Pkt. 25 cts.

Primula auricula (Laced Primrose). Brilliant maroon, crimson, yellow and purple flowers in umbels in April and May. Ht. 6 in. Pkt. 25 cts.

Primula cashmeriana (Cashmerian Primrose). Early-flowering hybrids with large heads of white, mauve, purple, and violet flowers in April and May. Ht. 12 in. Pkt. 50 cts.

Primula officinalis Hybrids (Blue and White Cowslips). Fragrant bright blue and white flowers in April and May. Ht. 8 in. Pkt. 25 cts.

Primula veris (Cowslip). Fragrant sulphur-yellow flowers on dwarf plants in April and May. Ht. 8 in. Pkt. 25 cts.



A pretty rockery



Helianthemum mutabile



Primula veris



This delightful Rock-Garden holds hundreds of charming little plants



Cerastium tomentosum. See page 82



Veronica repens on steps

- Primula vulgaris* (English Primrose). Fragrant, pale yellow flowers in April and May. Ht. 9 in. Pkt. 25 cts.
Santolina tomentosum (Lavender Cotton). A very finely cut lavender-grey-foliaged evergreen plant with miniature yellow flowers in July and August. Ht. 1½ ft. Pkt. 25 cts.
Saponaria ocymoides (Rock Soapwort). Grey foliage; sheets of crimson flowers in May and June. Ht. 1 ft. Pkt. 15 cts.
Saxifraga decipiens grandiflora (Rockfoil). An original alpine plant with a massing of charming white flowers in April and May. Ht. 1½ ft. Pkt. 35 cts.
Saxifraga, Species Mixed (Mixed Rockfoil). Alpine varieties in white, rose, carmine and purple, blooming in April and May. Ht. 1 ft. Pkt. 25 cts.
Sedum acre (Golden Moss). Grey, fleshy leaves with bright yellow flowers from May to July. Ht. 3 in. Pkt. 25 cts.
Sedum anglicum (White and Pink Stonecrop). Fleshy, grey-leaved plants with white and pink flowers in April and May. Ht. 4 in. Pkt. 25 cts.
Sedum, F. baria (Rose Stonecrop). Rose-colored blooms in April and May on fleshy plants. Ht. 4 in. Pkt. 25 cts.
Sempervivum, Mixed (Houseleek). An assortment of hardy plants with fleshy rosettes of green and bronze leaves. Ht. 6 to 12 in. Pkt. 25 cts.
Veronica prostrata (Speedwell). Dwarf species with spikes of deep blue flowers in June and July. Ht. 6 in. Pkt. 25 cts.
Veronica repens (Trailing Speedwell). Dwarf plants of trailing habit bearing blue and white flowers from April to June. Ht. 3 in. Pkt. 25 cts.
Viola cornuta, Admirabilis (Johnny Jump-up). Compact, free-flowering plants with dark-blotched purple flowers throughout the season. Ht. 6 in. Pkt. 25 cts.

COLLECTION OF SEEDS OF ALPINE AND ROCK-PLANTS: One pkt. of the above 50 varieties (if bought separately would total \$12.05) for \$10.

The perennial *seeds* we offer in the above list will easily produce Alpine and Rock-Plants the first season, if started early indoors, or if sown outdoors in July will produce strong plants the following spring. For a more complete list of *plants* of rare and popular varieties, see the Rock-Plant List we offer on pages 126 to 128 inclusive.

Rock-Garden Books

Rock-Gardens. By F. F. Rockwell. Tells where and how to make a Rock-Garden, what to use and where. 86 pp. \$1.

A Simple Guide to Rock-Gardening. By Sir J. L. Cotter. A practical book of rock, wall, and bog-garden making, giving methods and choice of planting material, as well as its culture. 126 pp. \$1 postpaid.

Forbes Fine Vegetable Seeds and Roots

The impulse to grow vegetables is one of the most powerful of human instincts. Many vegetable-gardens are started in the enthusiasm of spring and forgotten by vacation-time, but the real gardener finds a continual vacation in his garden. It is genuine relaxation, not an expensive substitute like daily dozens, commercialized playgrounds, and golf. Besides, he gets good things to eat—flavors which cannot be bought in any market, and a hunger-sauce no cook can equal.

Artichoke

Large Green Globe. The plants are of medium growth with deep green leaves. The buds or flower heads are green, nearly round with scales rather narrow and spiny. They will mature the first year if the seed is sown before March 15. Pkt. 25 cts.; oz. \$1; $\frac{1}{4}$ lb. \$3.

Asparagus Roots

We recommend 2-year-old Asparagus roots for home-garden planting. Plant as early in spring as possible. Dig trenches 3 feet apart, about 15 inches wide and 12 inches deep. Put about 3 to 4 inches of well-rotted manure in the bottom of the trench and cover with 2 to 3 inches of soil. Place the roots on top, about $1\frac{1}{2}$ feet apart, and cover firmly with 3 inches of soil. Spread the rootlets to allow proper development.

Palmetto. A fine, standard, early, prolific light green variety. 35 cts. for 10; \$2 per 100; \$15 per 1,000 roots.

Washington. A rust-resistant vigorous, giant strain with dark green stalks. 50 cts. for 10; \$2.50 per 100; \$20 per 1,000 roots.



Washington Asparagus

Pole Beans

Use 1 pound for 100 hills

Use a well-manured, sandy loam. Plant about May 1 or after settled warm weather. Set 8-foot poles in rows $3\frac{1}{2}$ feet apart, running north and south, and $3\frac{1}{2}$ feet apart in the row. The poles should be set $1\frac{1}{2}$ feet deep, slanting slightly to the north. In the hill around each pole plant five or six Beans 2 inches deep and cover firmly. When well started, thin to four plants to the hill and tie up to the pole so they twine.

Kentucky Wonder (Old Homestead). Bears continuously if the pods are picked. They are 7 to 9 inches long, very deeply creased, meaty, stringless when young, and of finest quality. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$2.

Asparagus is a native of the seashore. A sprinkling of salt in autumn is beneficial at times. Do not cut the tips until the plants have been in place at least two years in order to become thoroughly established. White Asparagus is the same variety as green, but the roots are set deeper and the stalks cut underneath the ground while still blanched.





Bountiful Beans



Dwarf Beans

One pound will plant 100 feet of row

The best soil is a well-manured sandy loam, but very fine crops are produced on an average garden soil. After the ground is perfectly warm (usually about May 1) sow at intervals of two weeks in order to secure a succession throughout the season. Sow 2 inches deep, 3 inches apart in rows 2 feet apart and cover firmly. Cultivate often, keeping a mulch of loose soil at all times. Deep cultivation after flowering will cause many blooms to fall. Beans will be ready in 6 to 8 weeks.

Bountiful. This is the best flat-podded, green variety. The light green pods are $6\frac{1}{2}$ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, and of very fine quality. It is very early, and a heavy yielder. Pkt. 10 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

Burpee's Stringless. Very early, productive and hardy. The pods average about 5 inches long, are straight, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless. The plants are medium large, with dark green foliage. Pkt. 10 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

Dwarf Horticultural. This is used as a Shell Bean. It is stringless, of good flavor, with pods slightly curved, 5 inches long, of greenish yellow speckled carmine. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$2.

Sure-Crop Wax. This is stringless, hardy, and rust-resisting. The pods average $6\frac{1}{2}$ inches long, are thick, semi-flat, and of a clear yellow color. The plant-growth is strong. Pkt. 10 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

Unrivald Wax. This one has a small plant, is very early, and bears enormous crop of translucent pale yellow pods about $5\frac{1}{2}$ inches long, somewhat curved, semi-flat, rather slim, but fleshy, and of the finest texture and tenderness. Pkt. 10 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

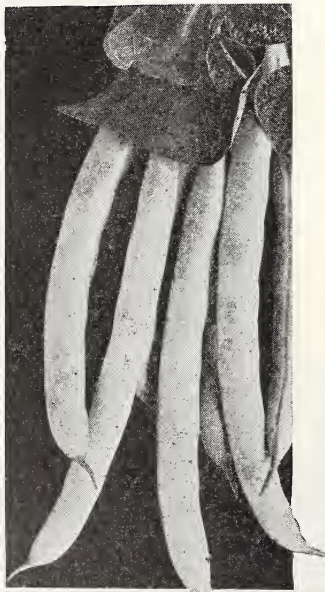
Bush Lima Beans

One pound will plant about 100 hills, or 100 feet of row

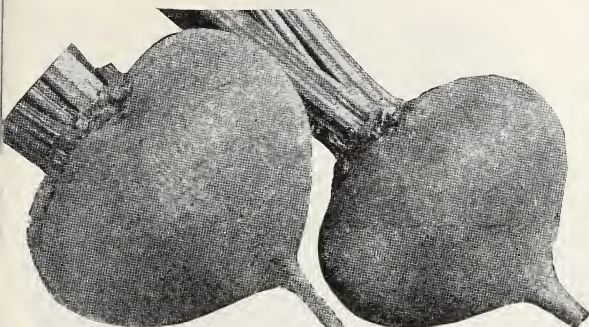
A rich, light soil is best. Sow the seed after the ground is dry, danger of frost is over, and the nights are warm (about May 20). Make the rows 3 feet apart, dropping the Beans so the plants will stand 4 to 6 inches apart in the row, and cover with less than 1 inch of soil. The Beans will germinate more rapidly if placed on edge with the eye down.

Forbes Ideal Potato Bush Lima. The plant is $1\frac{1}{2}$ feet high, and carries a very heavy crop of large, stout pods, usually with four, round, thick Beans to the pod. It is the best for the home-garden. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

Fordhook Bush Lima. The green Beans are thick and meaty, four to the pod, very tender, and juicy. Bears the large pods in clusters and is a heavy yielder. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.



Unrivald Wax Beans



Early Wonder Beets

Pole Lima Beans

One pound will plant 100 hills

Plant in a well-manured, sandy loam fully two weeks after settled warm weather (about May 20). Set 8 to 10-foot poles $3\frac{1}{2}$ to 4 feet apart each way. It is best to set the poles $1\frac{1}{2}$ feet deep, slanting slightly to the north. In the hill around it plant at least six Beans, placing them on edge with the eye down, and cover with less than 1 inch of soil. When well started, thin to four plants to the hill and tie up to the pole.

Forbes Potato Pole Lima. This shells more quarts of Beans to the bushel of pods than any other variety of pole Limas. The Beans themselves are of good size, very thick, and of excellent quality. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.



Forbes Potato Pole Lima Beans

Garden Beets

One ounce will sow 50 feet of row

The best soil is a light sandy loam, enriched with well-rotted manure. If wanted extremely early, sow in hotbeds and transplant, cutting off the outer leaves. Sow in rows at intervals of two weeks from the time the ground is fit to work in spring up to July. Make the rows 12 inches apart and sow the seed thinly, covering firmly with 1 inch of soil. When the plants attain three or four leaves, thin out to stand 4 inches apart.

Detroit Dark Red. This variety is of exceptionally fine quality and very attractive. The root is almost globe-shaped, smooth, and tapers slightly and the flesh is a deep vermilion-red, crisp, and sweet. Leaves are green with dark red veins and stems. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Early Wonder. The earliest and most perfectly shaped Beet. It has a deep blood-red, nearly globular-shaped root, niced-sized top, and small, clean taproot. It is attractive in appearance, uniform in size, shape and color, and has excellent keeping qualities. Early Wonder is grown very extensively for late fall sowing as it matures earlier than any other Beet. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Swiss Chard

Common. Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad, green leaves and large, white midribs or chards of excellent quality. The seed can be sown at different seasons of the year, giving successive greens. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Fordhook Giant. This sort shows great advance in size and attractiveness over anything so far developed. The very dark green, glossy, heavily crumpled leaves are borne erectly on 3-inch, broad, overlapping, greenish white stalks. Full-grown leaves are $2\frac{1}{2}$ feet long and 10 inches wide. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; lb. \$4.

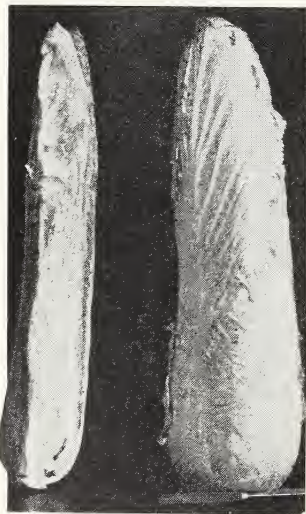


Common Swiss Chard



Brussels Sprouts

Broccoli has suddenly become a very popular vegetable in great demand in almost every market. It has long been a standby of experienced gardeners who have grown it instead of cauliflower in the hot summer months.



Narrow Head Chinese Cabbage



Italian Green Sprouting Broccoli

Broccoli

This is closely allied to the Cauliflower but is generally considered more hardy. In growing Broccoli, a seed-bed should be prepared and the seed sown in May. The plants will be ready to transplant late in June or early in July, and should be set in very rich, mellow soil, in rows about $2\frac{1}{2}$ feet apart, leaving $1\frac{1}{2}$ feet between the plants.

Italian Green Sprouting. This is a distinct variety. The plant forms a large, solid head which remains green, and after this head is cut out, a number of sprouts develop from the leaf-axes, each terminating in a small head 1 inch in diameter. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1; $\frac{1}{2}$ oz. \$1.85; oz. \$3.50.

Brussels Sprouts

One ounce will produce 1,500 plants

Use a rich, heavy loam with good drainage. Sow outside in rows in May and transplant in July to rows $2\frac{1}{2}$ feet apart, setting the plants $1\frac{1}{2}$ feet apart in the rows. Cultivate often. They are hardy and keep in fine condition from October until December, while farther south they keep through March.

Long Island Grown Half-Dwarf Improved. Very uniform, producing firm, dark green sprouts. The plants are dwarf, compact, and hardy. Pkt. 25 cts.; oz. \$1.25; $\frac{1}{4}$ lb. \$4.50.

Cardoon

A vegetable that is grown somewhat like celery and served after the manner of asparagus. Sow in the open ground in May, and thin or transplant the seedlings so that they stand $2\frac{1}{2}$ feet, one from the other, in rows 4 feet apart. A catch-crop, such as beans, lettuce, or beets, may be taken between the rows. At the end of the summer, and two to three weeks before using, it is necessary to blanch the Cardoons. The heads of the plants are tied together, straw is piled against them, and the surrounding soil is then heaped up against the straw. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

Chinese Cabbage

We advise that the seed of this Cabbage be sown in July or August (not earlier) because it has a tendency to bolt to seed in warm weather. Either start in frames and transplant, or sow where the plants are to remain, in rows $2\frac{1}{2}$ feet apart, thinning to from 12 to 18 inches apart in the row. It is very easily grown and takes very little space.

Special Narrow Head. This strain forms tall, slim, pointed heads, much heavier and taller than any other variety and very solid. The flavor is very delicate. Pkt. 15 cts.; $\frac{1}{2}$ oz. 50 cts.; oz. 90 cts.; $\frac{1}{4}$ lb. \$3.



Golden Acre Cabbage



Superb Late Flat Dutch Cabbage

Cabbage

One ounce will produce 1,500 plants

A well-drained, heavy loam soil gives best results. Sow the early varieties about September 15, and in four to five weeks transplant to coldframes, where the plants can be wintered over. Set plants down to the first leaf, burying all the stem. The common method is to sow the early varieties in hotbeds in February. From March 15 to April 15, set out plants in open ground, 15 to 18 inches apart in rows which are 2 to 2½ feet apart. This earliest crop matures in June. For second-earlies, sow April 1 and plant out in May, 1½ feet apart, leaving 2½ feet between rows, the crop maturing in July and August. For late Cabbage, sow from May to June, setting the plants out in July, 1½ to 2 feet apart in rows 2½ to 3 feet apart. Crop matures from September to November.

Copenhagen Market. The round, solid heads weigh 8 to 10 pounds each, are of fine quality, and very uniform, the light green leaves folding tightly and compactly over one another. Almost as early as Early Jersey Wakefield. Pkt. 15 cts.; ½oz. 40 cts.; oz. 75 cts.; ¼lb. \$2.50.

Danish Roundhead, Short-stemmed. We consider this one of the best-keeping varieties ever originated. Heads are round, large, heavy, extremely hard, and mature late. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. \$2.

Early Jersey Wakefield. This excellent, extra-early, pointed-head sort is without a parallel. The heads are medium-sized, but are solid and extremely uniform in both green color and size. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. \$1.50.

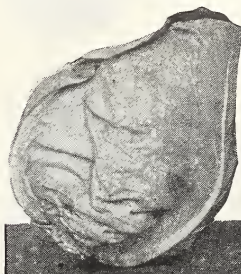
Golden Acre. A variety which closely resembles Copenhagen Market, but maturing eight to ten days earlier. Because it is smaller it can be planted closer. It is earlier and of finer quality than any other round-headed Cabbage. Pkt. 25 cts.; ½oz. 80 cts.; oz. \$1.50; ¼lb. \$5.50.

Late Flat Dutch, Superb. The heads grow very large and flat, of a bluish green color, with few outer leaves and mature quite late. They are uniform, solid, and of fine quality. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. \$1.50.

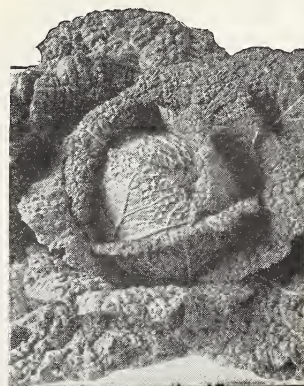
Mammoth Rock Red. This late standard variety produces very solid, 10-pound heads of intense dark red color. The plant is large, with numerous spreading leaves and is sure-heading. Used very largely for pickling on account of its excellent flavor and attractive color. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. \$2.

Perfection Drumhead Savoy. This is the hardest-heading, most satisfactory, and best all-round Savoy Cabbage. The plants are of strong growth, having only a few outer leaves growing closely about the large, solid, round, dark green heads. The leaves are heavily savoyed and the flavor is mild. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. \$2.

The most delicious of all Cabbages, and perhaps all vegetables, is Early Jersey Wakefield taken young, boiled in salted water until tender, drained, then served with lumps of butter. Cauliflower and broccoli are coarse and common in comparison.



Early Jersey Wakefield Cabbage



Drumhead Savoy Cabbage

Carrots

One ounce will sow 100 feet of row

Carrots give satisfactory results when sown in any good garden soil, if thoroughly and deeply worked; a sandy loam, well-manured, is the most desirable. For early crop, sow as early as the ground can be worked and for later crops, sow up to about June 15. Sow in rows 12 to 14 inches apart and cover with about $\frac{1}{2}$ inch of soil. As soon as plants appear, use cultivator or wheel-hoe. When of sufficient size, thin out the plants to stand 2 to 3 inches between plants.

Chantenay Half-Long. A medium-early, half-long, smooth, blunt-rooted sort of deep orange-red color and delicate flavor. As it has a nice top, it is very popular for frame use, allowing close planting. The root, broadest at shoulder, tapering toward base, and running suddenly to a point, is 6 inches long. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.

Coreless. A half-long, cylindrical blunt-pointed variety with a very small taproot and small, fine top. The shape and size are extremely uniform, averaging 6 to 7 inches in length and $1\frac{1}{2}$ inches in diameter, clean-skinned, smooth, and easily pulled. The flesh is very fine-grained, absolutely without any woody heart or core, and entirely free from stringiness and coarseness. The red-orange flesh is of the finest flavor. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.

Danvers Half-Long. This sort is slightly longer than Chantenay, growing 7 to 8 inches long, is square-shouldered, tapering gradually to a blunt point. The root is smooth, of an orange-red color, with sweet, crisp flesh. For main planting it has no superior, and when sown during June, it produces the best roots to store for winter. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.

French Forcing. The earliest variety of Carrot, but is almost round. The flesh is a reddish orange and the quality is excellent. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.

Cauliflower

One ounce will produce 1,000 plants

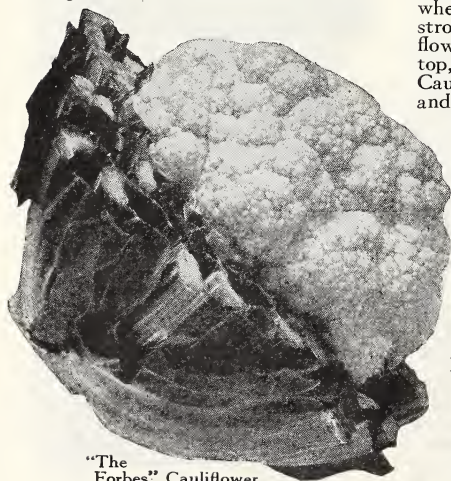
Cauliflower will not grow well during hot weather. For early spring crop, seed should be sown in a hotbed, or cold-frame, during February, never later than March 10. The plants may be set out like cabbage, right after frost has gone; these will head during June. For a fall crop the seed is sown about May 20. Plants may be set out July 15. With good care, they will grow slowly until the cool nights of September, when they develop rapidly into strong, leafy plants, and a strong plant nearly always produces a good flower. As the flowers form, gather the leaves together and tie them at the top, to blanch heads and prevent injury from sun and frost. Cauliflower requires rich, well-drained soil, plenty of moisture, and only a moderately high temperature.

"The Forbes." Best for early and late crops. A Cauliflower of the Snowball type, but as the crop heads up practically all at one time, make plantings in succession. It excels others for vigor and freedom from disease, and produces first-grade heads, even under adverse growing conditions. The inner leaves wrap tightly over the head from its beginning up to 4 inches diameter, when the heads should be tied up. A few days of favorable growing weather quickly increase the size to 10 to 11 inches diameter. The heads are very deep, with pure white, solid, rounded curds and mature very early. Pkt. 50 cts.; $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2; oz. \$6.

Forbes Catskill-Snowball. We recommend this as the premier variety for outdoor culture on account of its earliness, vigorous growth, handsome appearance and high quality. Its strong, vigorous, constitution enables it to withstand weather conditions that make Cauliflower culture somewhat of a gamble. Pkt. 25 cts.; $\frac{1}{8}$ oz. 85 cts.; $\frac{1}{4}$ oz. \$1.50; oz. \$5.

Carrots are colorful and delicious vegetables, full of health-giving elements. They figure largely in special diets. Excellent when cooked with peas.

Coreless
Carrots



"The
Forbes" Cauliflower

Celery

One ounce will produce about 4,000 plants

For an early supply, sow seeds of early or self-blanching varieties in flats any time during February. Cover with sand and keep constantly moist. When young seedlings are big enough to be handled, transplant into other flats, 2 to 3 inches apart each way.

Harden gradually and by middle of April set out plants in the garden in rows 3 feet apart, 8 inches apart in the row. Cultivate freely and water abundantly. The plants should give you Celery beginning middle of October and up to Christmas time. For a later supply, start seeds of winter-keeping varieties in a hotbed about middle of March to April 1. Transplant as above and plant out into the garden about June 1, setting the plants 2 feet apart. To blanch gradually, hill up the stalks, or boards pushed up against the row on both sides will serve the purpose. As cold weather approaches, hill more or mulch with leaves. For winter storage, dig up the plants with the roots and place upright in well-protected frames or store in a cool cellar, packed quite closely.

Giant Pascal (Special Strain). This is vigorous, compact, and productive, and is splendid for fall and winter use. It has short, dark green leaves; stalks of medium height, which are very thick, nearly round but broadening toward base. It blanches yellowish white, is solid, crisp and tender, and a fine keeper. Pkt. 15 cts.; $\frac{1}{4}$ oz. 40 cts.; oz. \$1.25.

Golden Plume. This closely resembles the old Golden Self-blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures rather earlier, and shows less tendency to blight or crown-rot. It shows the large full-plumed center so much desired. Pkt. 25 cts.; $\frac{1}{4}$ oz. \$1.50; oz. \$4.

Golden Self-blanching (Dwarf Strain). Our stock of this famous variety, long a standard for early use, is unsurpassed. The plants produced by our seed are compact and stocky, with yellowish green foliage turning to golden yellow with a slight earthing up. Stalks are ivory-white, very thick, broad, solid, crisp and of fine flavor. This is a big-hearted strain, with no hollow stalks, even and free from green-top. Pkt. 25 cts.; $\frac{1}{4}$ oz. 60 cts.; oz. \$1.50.

Newark Market. The plant is somewhat taller than Golden Self-blanching, the foliage is broader, and the stalks are higher jointed, heavier, and more plainly ribbed. Its stalks are easily blanched, by boarding, in from two to three weeks' time. On account of the greater stalk-length and the compact foliage, the stalks blanch much higher up than does the Golden Self-blanching. Newark Market develops very rapidly and produces large, thick, fleshy stalks of great solidity, very brittle, crisp, and of fine flavor. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts.; oz. \$2.

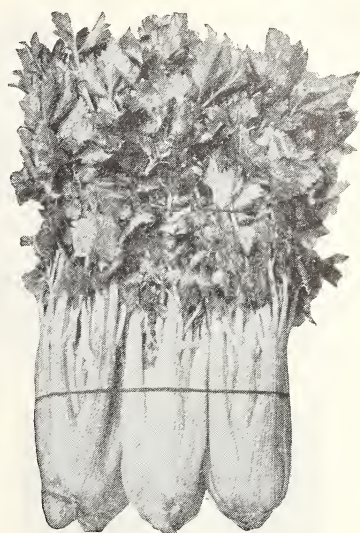
Celery for Soup Greens. A loose-growing type from which stalks may be cut continuously. Merely grow in good soil kept free from weeds; do not earth or blanch. Pkt. 10 cts., oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Celeriac (Turnip-rooted Celery)

One-fourth ounce will sow 100 feet of row

Use a rich, moist soil and sow about April 20, covering the seed with about $\frac{1}{2}$ inch of soil, firming it down well. Thin the seedlings out to about 1 inch apart in the row, transplant into rows 2 feet apart, placing the plants about 5 inches apart in the row. Give thorough cultivation. Use when roots are 2 inches in diameter.

Large Smooth Dwarf Moonarchie. Produces large, smooth roots of fine quality which are used as a flavoring or eaten as a salad. The "knob" will grow larger if the outer leaves are pulled and used for soup greens. This strain is fine-grained, free from side roots, and has a short top. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; $\frac{1}{4}$ lb. \$2.50.

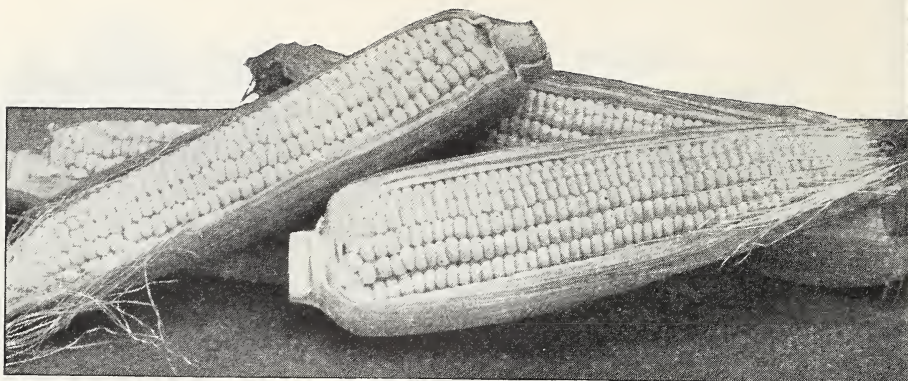


Golden Plume Celery

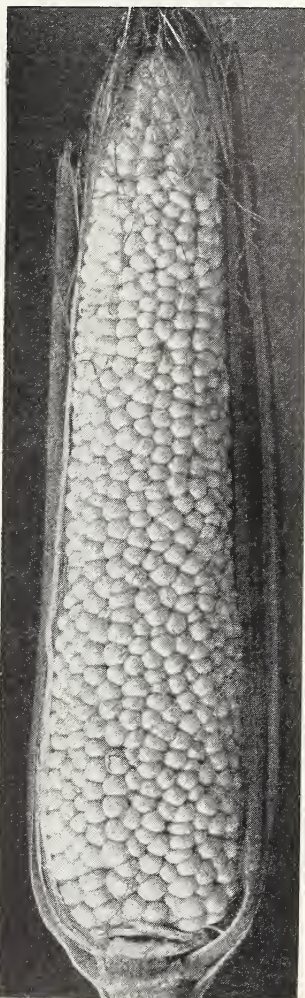
Late Celery is a good crop to plant on the same ground upon which grew early peas, radishes, lettuce, etc., after they have been used.



Moonarchie Celeriac



Forbes Early Sweet Corn



Country Gentleman Sweet Corn

Chicory

One ounce will plant 100 feet of row

Large-rooted or Coffee. The soil should be light and rich. Sow seed about May 1 in rows 2 to 2½ feet apart, and cover firmly with ½ inch of soil. Thin to 6 inches apart and cultivate well. The roots will be ready to dig in the fall and when dried are used as an adulterant for coffee. Plant grows large leaves and thick stalks. The young leaves sprouted from one-year-old roots are excellent as a salad. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. \$1.25.

For Witloof Chicory, see description on page 108.

Collards

One ounce will sow 200 feet of row

Georgia. Cultivation same as Cabbage, of which it is really a tall loose-leaved form. Grows 3 feet high forming a cluster of undulated leaves at the top of its long stem. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

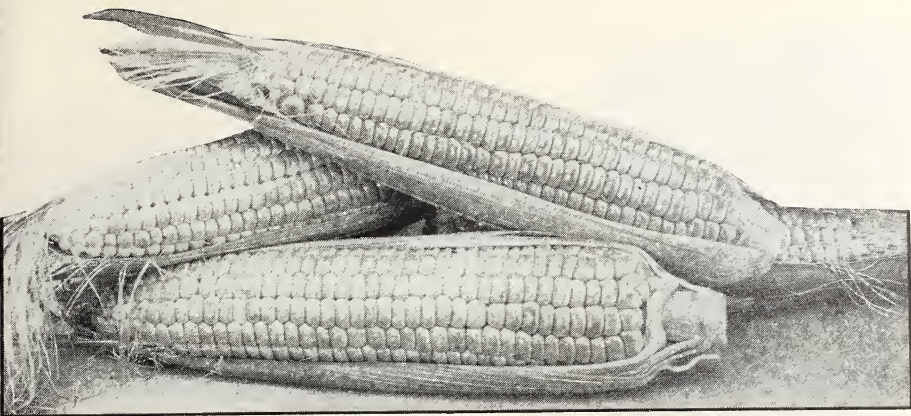
Sweet Corn

One pound will plant about 200 hills

Average garden soil is very satisfactory. Sow after the ground becomes warm; first planting may generally be made about May 15. Continue successive plantings every two to three weeks until the end of July. Plant 1 inch deep in hills, 3 feet apart each way, dropping six kernels to each hill. Thin to three plants per hill. With large varieties, make hills 4 feet apart each way. Sweet Corn may also be sown in rows 3 feet apart and thinned so that the plants will stand 10 inches apart in the row. Hoe frequently, keeping free from weeds, and draw soil up to stem; break off side shoots.

Black Mexican. An interesting variety and one of the best second-early sorts where tenderness and sweetness are desired. The stalks grow about 6½ feet high, producing ears usually 8 inches long, and 8-rowed. The dry grain is dark bluish black and the ripe Corn is of the same color, but when "green" is white. Pkt. 10 cts.; ½ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

Country Gentleman. This extremely popular variety has a small white cob densely packed with irregular rows of very long, slender, white "shoe-peg" grains of excellent quality. The ears are 7 to 8 inches long, produced on 6½ to 7-foot stalks. Some stalks yield three ears each. It matures rather late but is an excellent variety. Pkt. 10 cts.; ½ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.



Stowell's Evergreen Sweet Corn

Sweet Corn

Early Surprise. One of the earliest Sweet Corns under present production, maturing three days earlier than other Sweet Corns of its class. It produces 12-rowed, pure white ears with white cobs on 4-foot stalks. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$2.

Forbes Early. This variety has attained great popularity among home-gardeners. While not the earliest of all, it is the first early white sort that has really good quality. It is fine for planting about July 10 for a catch crop before frost, after it is too late to plant any but the early sorts. The 5 to 6-foot stalks bear well-filled 12-rowed ears. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

Golden Bantam. The plant is only 4 to 5 feet high and grows so compactly that it may find a place in the smallest garden. The yellow ears, though small, are of a most convenient size for the table, just right to serve whole. They are filled from butt to tip with deep, broad grains of attractive color and most delightful flavor. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

Golden Sunshine. The finest and earliest yellow Sweet Corn. Ears grow $6\frac{1}{2}$ inches long, on short stalks, and are at their best ten days before Golden Bantam is ready. For flavor and earliness, Golden Sunshine will change your ideas of Sweet-Corn quality. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$2.

Stowell's Evergreen. The ears, 7 to 9 inches long and 18-rowed, are very white, having deep-set kernels of very fine quality, remaining in a green state for a long period. The $7\frac{1}{2}$ -foot stalks mature the ears quite late. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

Corn Salad

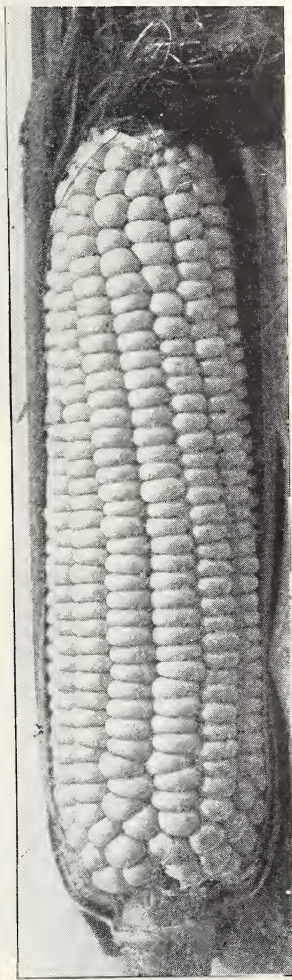
Two to three ounces will sow 100 feet of row

Broad-leaved. Hardy little plants forming rosettes of tender, edible leaves used as a substitute for lettuce. Grown for late fall, winter, and spring use. Sow during August and September, in rows 1 foot apart. Cover with $\frac{1}{2}$ inch of fine pulverized soil, pressed firmly to insure good germination. Thin plants to stand 6 inches apart in the row. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Cress

One ounce will sow 100 feet of row

Extra Curled or Garden (Pepper Grass). Crisp, pungent leaves; finely cut, dwarf, and compact. Used for garnishing. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 55 cts.; lb. \$1.50.

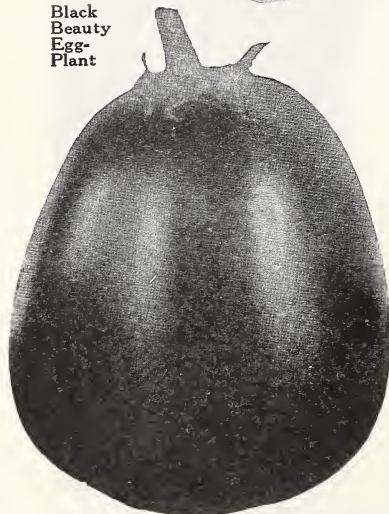


Golden Sunshine Sweet Corn

Cucumber
The "Forbes"
Prolific
White
Spine



Black
Beauty
Egg-
Plant



Cucumbers

One ounce will plant 50 hills

A warm, sandy loam, enriched with well-rotted manure, is best. Sow May 15, in hills about 4 feet apart each way, dropping ten seeds in each hill, and covering firmly with less than an inch of finely pulverized soil. It is well, beforehand, to mix one shovelful of well-rotted manure with the soil of each hill. For a succession, sow every ten days. After all danger from insect attack is past, thin to three or four plants to the hill. If wanted for early use, start in pots in hotbed about April 1 and transplant outdoors when weather is safe. For pickling varieties, sow from June 15 to July 10. We advise that all full-sized Cucumbers should be picked, whether required or not.

The "Forbes" Prolific White Spine. For vigor, earliness, uniform size of fruit, and heavy cropping from the start, it has no equal. The fruits are dark green from blossom to stem end, 8 to 9 inches long, and nicely tapered. This strain is earlier than other White Spine varieties, and will stand the hot sun better. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.

Forbes Straight Pack. A wonderfully choice variety, which, though developed for greenhouse culture, has proved remarkably successful outdoors. Under good culture and favorable conditions this variety will compare favorably with the best indoor Cucumber as to size, color, and finish. It will average 12 inches in length, is a beautiful dark green, and almost spineless. Pkt. 15 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

Jersey Pickling. Of slender, cylindrical form, 8 inches long. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.

Long Green Improved. The vigorous vines bear slender, dark green fruits, 12 to 15 inches long. The bulk of the crop matures late. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.

Forcing Cucumbers

Improved Telegraph. A fine greenhouse variety of quick growth, handsome and prolific. Pkt. (10 seeds) 35 cts.

Milwaukee Forcing. Long, smooth, dark green fruits of quality, excellent for exhibition. Pkt. (10 seeds) 35 cts.

Dandelion

One ounce will sow 100 feet of row

Use a clean, warm, rich soil. Sow in early spring in rows $1\frac{1}{2}$ feet apart, covering firmly with $\frac{1}{2}$ inch of fine soil. When plants are well developed, thin or transplant to 10 inches apart. Leaves will be fit to cut the following spring. Blanching the leaves removes to some extent, the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, and the roots as a substitute for coffee.

Improved Thick-leaved. Unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular, upright tuft. Pkt. 15 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1; $\frac{1}{4}$ lb. \$3.50.

Eggplant

One ounce will produce about 1,000 plants

Any good garden soil will serve, but fertilizing will repay. Start the seed in warm greenhouse or hotbed in March or April. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about June 1, allowing $2\frac{1}{2}$ feet between plants each way. Hoe frequently, keeping the soil loose and fine.

Black Beauty. This is the earliest and best of all the large-fruited Eggplants. The bushes are well-rounded, sturdy, branching freely near the ground. Fruits are large, thick, heavy at the base, and reducing toward the stem, of a dark purplish black color. Pkt. 15 cts.; oz. 85 cts.; $\frac{1}{4}$ lb. \$2.50.

Endive

One ounce will sow 150 feet of row

Any garden soil will do. For an early supply, sow about April 15. As it is used mainly in fall months, the main sowings are made in June and July, in rows about $1\frac{1}{2}$ feet apart, covering seed firmly with about $\frac{1}{2}$ inch of soil. When plants are of sufficient size, thin to 8 to 12 inches apart in the row. Keep clear of weeds. When nearly full grown, gather the outer leaves together in conical form and tie the tips together in order to blanch the heart of the plant. Three to six weeks are required for blanching. Fine for fall and winter salads; also for greens and flavoring soups and stews.

Broad-Leaved Batavian (*Endivia Scariola*). Rosette is often 16 inches in diameter, with broad, twisted or waved green leaves, and thick white midribs. Makes a fine "head," and blanches easily. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.

Mammoth Bordeaux Curled. This fine variety attains large size, growing 20 inches in diameter. The center is very full and close. One of the hardiest; suitable for summer and autumn. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.

Garden Herbs

Herbs delight in a rich, mellow soil. Sow seeds early in spring, in shallow drills, 1 foot apart. When plants are 3 to 4 inches high, thin out or transplant. Before they come into full bloom, cut the plants on a dry day, tie in bunches, and hang up to dry quickly. The powdered leaves are used for flavoring or medicinal purposes.

Anise. Used for garnishing, seasoning and for cordials. Pkt. 10 cts.; oz. 35 cts.

Basil, Sweet. Leaves are used for flavoring soups, stews, and other dishes. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.50.

Borage. Flowers are excellent for bees and the leaves are used in salads. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.50.

Dill. The leaves are used in pickles and for flavoring soups and sauces. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.

Fennel, Florence (*Finocchio*). A delicious vegetable when boiled and served with a cream dressing. Has an agreeable, aromatic flavor, sweet taste, and delicate odor. When the enlarged base of the leaf-stalk is 2 inches across, half cover with earth. After ten days, cuttings can be made and continued as the plants grow. Responds to liberal watering. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

Fennel, Sweet. The boiled leaves are used in fish sauces and in garnishing, the seeds for flavoring. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

Lavender. Leaves are used for seasoning and the flowers for perfumes. Pkt. 15 cts.; oz. 75 cts.; $\frac{1}{4}$ lb. \$2.75.

Marjoram, Sweet. The leaves and shoot ends are used for flavoring when green in summer or when dried in winter. Pkt. 15 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75.

Rosemary. Yields an aromatic oil. Leaves used for seasoning. Pkt. 15 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75.

Sage. Plants grow to 3 feet in diameter and are hardy. The leaves and tops are used for seasoning. Pkt. 15 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.75.

Savory, Summer. The leaves and young shoots are used for flavoring. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.50.

Thyme, Broad-leaved English. Used for seasoning and for a tea for nervous headache. Also used for bee-food. Pkt. 15 cts.; oz. 75 cts.; $\frac{1}{4}$ lb. \$2.75.

Wormwood. Has medicinal qualities beneficial to poultry. Also used for flavoring. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.50.

Horse-Radish Roots

Mark off the rows $2\frac{1}{2}$ feet apart, and set the roots $1\frac{1}{2}$ feet apart in the rows, the small ends down and the tops 1 to 3 inches below the surface.

Maliner Kren. A variety producing very large, pure white roots. Strong sets, 30 cts. for 10, \$1.75 per 100, \$15 per 1,000.



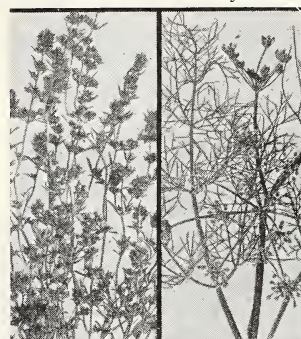
Anise

Lavender



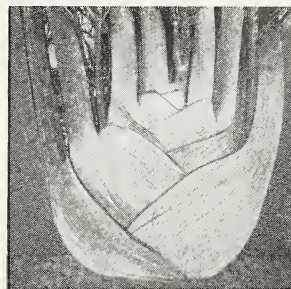
Dill

Thyme



Sweet Marjoram

Sweet Fennel

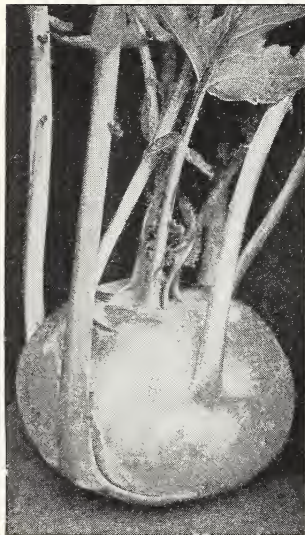


Florence Fennel

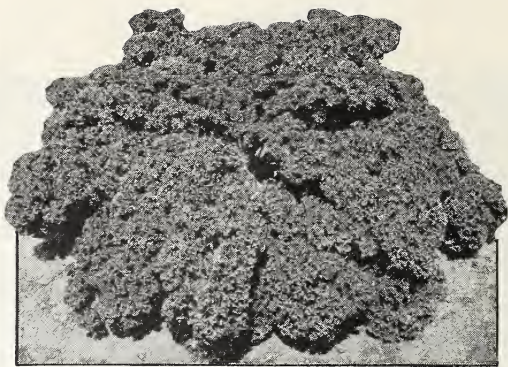


American Flag Leeks

Not nearly as many gardeners grow Kohlrabi in their home-gardens as should. It is almost unknown in many country districts, which is unfortunate because it is easy to grow, well-flavored, and is very nutritious.



Smooth White Vienna Kohlrabi



Dwarf Green Curled Scotch Kale

Kale

One ounce will sow 200 feet of row

For a late fall or early winter crop, sow early in June; for spring crop sow in September and cover with straw for winter. Sow in rows $1\frac{1}{2}$ to 2 feet apart, so that plants may be cultivated when small. Cover seed firmly with $\frac{1}{2}$ inch of soil. Thin or transplant plants to $1\frac{1}{2}$ or 2 feet apart in the row. A frost greatly improves the quality.

Blue Curled Dwarf Siberian. Very vigorous, hardy variety of dwarf, spreading habit, with bluish green foliage, beautifully curled and crumpled at the edges. Will stand longer than any other sort before seeding. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Dwarf Green Curled Scotch. This is low-growing, rarely exceeding $1\frac{1}{2}$ feet in height, with finely curled, spreading, bright green, long leaves, produced in great abundance. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Kohlrabi

One ounce sows 200 feet of row

Sow at intervals from April 15 to June, in drills $1\frac{1}{2}$ feet apart, covering firmly with $\frac{1}{2}$ inch of soil. Transplant or thin out as needed. May be sown in hotbeds February 15 and planted out after frost. Sowings may be made the latter part of July for fall use. Use the roots when 2 inches in diameter.

Early Purple. Very early, with small top, leaf-stems tinged with purple. Bulbs medium size, purple; flesh white and delicate. For forcing and early outdoor planting. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Smooth White Vienna, Short-leaved. A very early variety having only a few leaves, these being less than 8 inches long. Smooth white bulbs of medium size and fine quality, ready for use two and a half months after sowing. This is well adapted for sowing in hotbeds about February 15 and transplanting, when about 3 inches high, to permanent ground. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Leek

One ounce will sow 100 feet of row

A deep, rich light soil is best. Sow in early spring, in rows 12 inches apart and $\frac{1}{2}$ inch deep, and cover firmly. Thin plants to 6 inches apart in the row and draw the soil about them when cultivating. If long, white, tender Leeks are desired, transplant when 6 inches high, setting 4 inches apart in trenches about 2 feet apart, gradually earthing up to top of neck.

American Flag. A very fine, early, productive variety, being a strong, quick grower, and of mild flavor. The stems are 2 inches in diameter and blanch 10 inches from the root. An excellent sort for fall and early winter sowing. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.



New York Lettuce



Big Boston Lettuce

Lettuce

One ounce will produce from 2,000 to 3,000 plants

Lettuce may be grown in every garden. Well-rotted stable manure should be well mixed in the soil. If this cannot be secured, use good commercial fertilizer, which should be raked in after digging. Sow seed as soon as ground can be worked, and thin out as desired. If for heading, leave plants 8 to 10 inches apart. If for cutting, they may be left much closer. Successive sowings may be made until about August 5. Constant cultivation is necessary.

Head Lettuce

Big Boston. Popular for outdoor culture in the spring and fall and for coldframe forcing. The plants are large, very hardy, and vigorous, forming large, flattened heads that are compact and solid. Its broad, crisp leaves are comparatively smooth, wavy at the edge, thin, bright light green in color, slightly tinged with reddish brown. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Iceberg. A sure and hard-heading hot-weather variety. Medium-sized plants with strong midrib, producing large conical-shaped heads, with outer leaves light green, curly, and finely fringed. Hearts are a beautiful white, crisp and tender. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

May King. This extremely early Lettuce is very fine for forcing use. Heads medium-sized, of excellent quality, with outer leaves light yellowish green, tinged with reddish brown when mature. Hearts blanch to a rich golden yellow, tender and buttery. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

Mignonette. A small, tight-headed, very early, hardy, long-standing Lettuce with outside leaves tinged russet; heart yellow, tender and crisp. Fine for late fall crop in cold-frames. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

New York. A decidedly crisp, cabbage-heading variety. It is very large and robust-growing, rooting deeply, resisting hot, dry weather, is very slow to run to seed, and is a sure header under most trying conditions. Its solid heads often measure 15 inches across. The thick leaves are broad, crumpled and twisted, coarse in appearance and very flatly and tightly overlap one another. The outer leaves are dull, very dark green, and the crisp, tender interior blanches creamy white, and is of good quality. Very fine for a main summer crop. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.40; lb. \$4.

Romaine or Trianon Cos. The head is tall and very thick, blunt at top and the leaves are very light green, crimped, broad-ribbed, and of a long narrow spoon shape. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

Unrivalled. Very solid, large, crisp, tender, pale green heads without the reddish brown tinge, and of excellent quality. Forms a head in six weeks, at least ten days earlier than Big Boston. May be sown all through the year and stands heat well. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

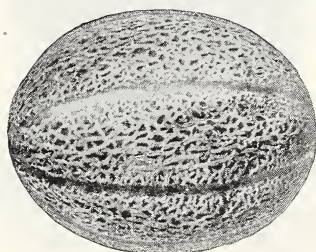
Gardeners who can obtain it, find chicken manure one of the best fertilizers for Lettuce. The essentials of Lettuce culture are to make the plants grow as quickly as possible and to eat them as soon as they are fit. It is a real undertaking to keep up with a lusty Lettuce bed, requiring a real good appetite and the full coöperation of the whole family and some of the neighbors. Fresh young Lettuce leaves have a flavor distinct from the large heads bought in the market.



Romaine Lettuce

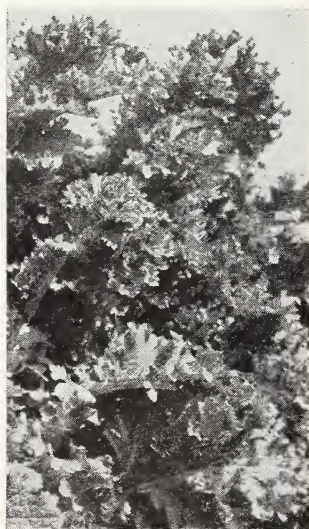


Lake Champlain Muskmelons



Maryland Muskmelon

Melons may be started earlier on pieces of sod upside down in a hotbed or in peat-pots, setting them outdoors when the ground is warm. This will give you ripe fruit much earlier.



Fordhook Fancy Mustard



Grand Rapids Lettuce

Loose-leaved Lettuce

Early Curled Simpson. Yellowish green, curly leaves; very early. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Grand Rapids. This is fine for greenhouse forcing. The hardy plant, upright and carried well above the soil, forms loose clusters of large, thin, bright green leaves, with crimped edges. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Muskmelon or Cantaloupe

One ounce will plant 50 hills

Early in May plant in hills 4 feet apart, dropping six to eight seeds to the hill. When large enough, thin out to four strong plants. Spray with Bordeaux to prevent blight and cultivate freely till the vines cover the ground.

Bender's Surprise. A high-class melon of delicious flavor and sweetness, with very thick, deep orange flesh. The large, oval, coarsely netted melons often weigh from 10 to 15 pounds each. The flesh is so thick and the rind so firm that Bender's Surprise will keep perfectly for a week after picking. Pkt. 15 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

Lake Champlain. The earliest Muskmelon we know. The plant is very productive, very vigorous and healthy, setting and ripening melons rapidly even under adverse conditions. The melons are medium-sized, flattened round, deeply creased, and nicely netted. The golden yellow flesh is deep and very sweet. Pkt. 15 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50; lb. \$5.

Maryland. Of the Rocky Ford type, but far more productive, larger and easily ten days earlier. Vines are strong and vigorous, producing slightly oval, closely netted melons. Skin is light golden; flesh bright green and luscious, Pkt. 15 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

Rocky Ford or Netted Gem. This is a vigorous, medium-early variety. Fruits are oval, slightly ribbed, and covered with fine netting. The flesh is thick, green, and highly flavored. Pkt. 15 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

English Forcing Melons

Sutton's Blenheim Orange. Handsome scarlet-fleshed variety which is beautifully netted and sets well. Pkt. 50 cts.

Sutton's Emerald Gem. Unusually thick, rich, green flesh of superb flavor. Melons are large and finely netted. Pkt. 50 cts.

Mustard

One ounce will sow 100 feet of row

Fordhook Fancy. The long, slender, plume-like, finely curled leaves are a deep green color, with edges deeply cut. Stands a long time before running to seed. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.



American Pure Culture Mushrooms

Mushrooms

For the culture of Mushrooms you need (1) a shed or cellar which can be kept damp and at a temperature around 60 degrees; (2) fresh horse manure from healthy animals, free of shavings, and with little straw; (3) some good garden soil; (4) some hay or straw; (5) high-grade Pure Culture Spawn; (6) a hotbed thermometer. Turn the manure for several days, keeping it slightly moist; make firm beds with it 1 foot thick, and let it steam. Try the temperature of the manure: it will go over 100° and then fall; at 85° plant spawn just under the surface and then cover the beds with hay. A mould will be noticed on the manure after a week; remove the hay and spread 1 inch of soil in its place. Keep the bed slightly moist, using warm water, and occasionally sprinkle the floors.

Brick Spawn, American Pure Culture

Ten pounds will spawn 10 square feet

Spores have been selected from specimens and transferred to bricks of compressed manure and loam. Break the brick into inch pieces and plant 1 foot apart. Brick (about 1½ lbs.) 35 cts.; 10 bricks \$3.25; 25 bricks \$7; 100 bricks \$25.



Southport White Globe Onion

Onion

One ounce will sow 100 feet of row

Soil should be well fertilized. For early crop sow seed in coldframes in February, transplanting when large enough to handle. Open-ground sowing should be made right after frost has gone. Sow ½ inch deep in rows 12 inches apart. If thinning is needed, the young plants may be used for salad.

Ailsa Craig. (Selected.) A very large, oval variety with pale straw-colored skin. It keeps well and has a mild flavor. Pkt. 15 cts.; oz. 65 cts.; ¼ lb. \$1.75; lb. \$5.

Prizetaker. A main-crop Onion of the largest size and nearly globular form sloping slightly at the shoulder. Skin is yellowish brown. Flesh is creamy white, very mild, and of fine flavor. Pkt. 15 cts.; oz. 55 cts.; ¼ lb. \$1.50; lb. \$4.

Selected Yellow Globe Danvers. The bulbs are medium to large, globe-shaped, with small neck and ripen evenly to a rich, coppery yellow color. Flesh creamy white, crisp, solid and of mild and excellent flavor. A fine keeping variety. Pkt. 15 cts.; oz. 55 cts.; ¼ lb. \$1.50; lb. \$4.

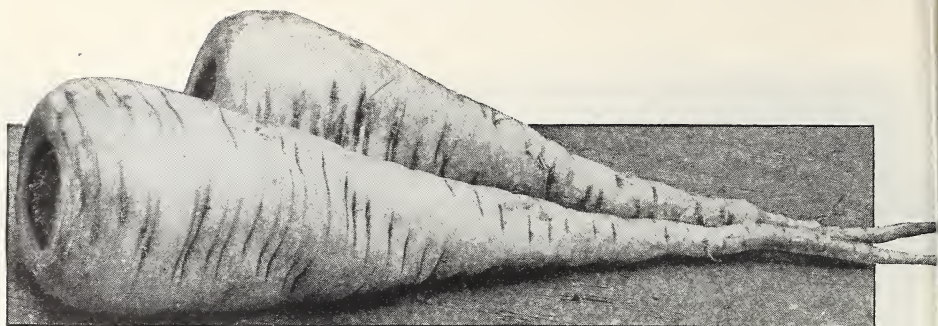
Southport Red Globe. Large, globe-shaped bulbs with small neck, smooth and glossy, and of deep, purplish red color. Flesh is white, tinged with light purple, fine-grained and tender, but rather strongly flavored. One of the best keepers. Pkt. 15 cts.; oz. 55 cts.; ¼ lb. \$1.50; lb. \$4.

Southport White Globe. The finest of all white Onions and a good keeper. Has the true globe shape; full at the base and shoulder. Pkt. 15 cts.; oz. 55 cts.; ¼ lb. \$1.50; lb. \$4.

White Portugal or Silverskin. A fine white sort for sets, or using young. Mature bulbs are of medium size, flattened globe shape. Pkt. 15 cts.; oz. 55 cts.; ¼ lb. \$1.50; lb. \$4.



Selected Yellow Globe Danvers



Ideal Hollow Crown Parsnips

Okra or Gumbo

One ounce will sow 100 feet of row

Sow after soil is warm, in rows 3 feet apart, $1\frac{1}{2}$ feet apart in the row. The pods are used for soups and stews and should be gathered while still young and tender.

Perkins' Mammoth. This variety is about 3 feet high, very early and productive. Pods are deep green, very long, slender, slightly corrugated, very tender and of good quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.



Selected Extra-Double Curled Parsley

Parsley

One ounce will sow 150 feet of row

Parsley thrives in a deep, rich, mellow soil, very finely pulverized. As the seed germinates very slowly, sow as early as possible in the spring, in rows 12 inches apart. Cover with $\frac{1}{2}$ inch of fine soil, pressing it down firmly. When the plants are well up, thin to 2 inches apart in the row. Seed will germinate more rapidly if soaked over night in slightly warm water. During the hot summer, Parsley may turn brownish-red. To prevent this, plant a taller growing crop next to it, so that it has partial shade. Just before frost, pick as much as is needed. Dry, powder, and store in glass jars for winter use.

Hamburg or Parsnip-rooted. This variety is grown for the roots, which mature early, are short, thick, and in appearance like a parsnip, although smaller. Flesh is white, a little dry and flavored somewhat like parsnips. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Italian or Plain-leaved. The very dark green leaves are flat, deeply cut but not curled. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

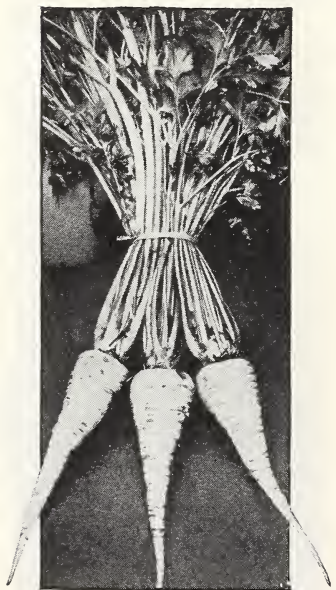
Selected Extra-Double Curled. This excellent strain is very vigorous, growing short stiff stems, with compact, finely cut, very densely curled leaves of an extremely dark green color. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Parsnip

One ounce will sow 150 feet of row

Use a deep rich, sandy soil, although any deep, mellow, moderately rich soil will produce good roots. Sow as early in spring as possible, in rows 1 foot apart, covering firmly with about $\frac{1}{2}$ inch of fine soil. When plants are well up, thin to 2 to 3 inches apart in the row. Parsnip seed is very slow to germinate. Soil should be pressed down firmly over seeds. Cultivate frequently. Although Parsnips require a long season (about 100 to 120 days) to grow fine large roots, very good small roots may be grown by sowing later. When heavy frosts set in, dig roots, store in cool cellar, and cover with soil.

Ideal Hollow Crown. The roots are about 12 inches long, with smooth white skin, uniform in shape, tapering evenly from a heavy shoulder down to a small root. The flesh is tender, of best quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$1.65.



Hamburg or Parsnip-rooted Parsley

Gradus Peas

Garden Peas

One to two pounds will plant 100 feet of row

The very early sorts may be sown as soon as ground is fit. Further sowings may be made at intervals as needed, but best results are secured from early sowings. A good fall crop may often be raised by planting the extra-early sorts about August 1. Peas should root deeply to grow well. It is well to make 4-inch furrows, cover the seed 1 inch, and as the plants grow cover gradually until level. Let the furrows be broad at the base so the seed may be well distributed; this is preferable to double rows. The rows should be spaced 2 feet apart for dwarf sorts, 3 feet for the medium high, and 4 feet for the tall late sorts. Peas under 3 feet high grow well without support. Thorough cultivation keeps weeds down.

Alaska. A wonderfully productive, small-podded, extremely early sort, grown on a very large scale for first crop. The vines, of a peculiar, distinctive, light green tinge, are $2\frac{1}{2}$ to 3 feet high. Pods are light green, about $2\frac{1}{2}$ inches long, straight, round, blunt-ended, and well filled with small, smooth, blue-green Peas of good flavor. Pkt. 10 cts.; $\frac{1}{2}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

Early Bird. An exceptionally early, hardy, productive, handsome Pea, about 3 feet high. Vine and foliage moderately heavy, medium green; pods deep green, 4 inches long, semi-broad, pointed and well filled with dark green Peas. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$2.

Gradus. An early, large-podded sort which matures later than the dwarf, small-podded Extra-Earlies. It combines a pod 4 inches long, with earliness and fine quality. The vines, growing 3 feet high, are heavy stemmed with large, medium green leaves. Pods are medium green, straight, uniformly large, semi-round, slightly curved at the tip, pointed and containing six to eight large Peas of medium green color. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$2.

Hundredfold. This is the best-flavored and the largest-podded, dwarf-growing sort in existence. It is ready about three days after the earliest sorts, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$2.

Telephone. (Dark-podded.) This late Pea has a fine appearance, high quality, and large pod. Vines are tall, vigorous, $4\frac{1}{2}$ feet high, with large, coarse, medium green leaves, and produce an abundance of attractive dark green pods $4\frac{1}{2}$ inches long, straight, broad and pointed, filled with eight large light green Peas of an excellent flavor. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$2.

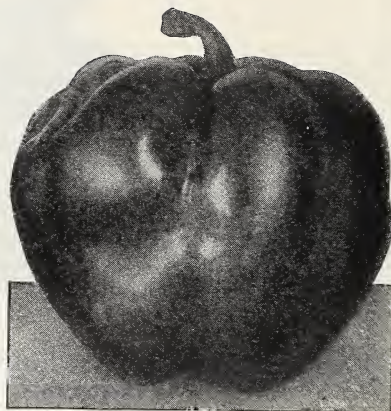
Edible-podded Variety

Melting Sugar. Pods are used when half grown and cooked same as snap beans. They are $4\frac{1}{2}$ inches long, broad, often twisted, tender and finely flavored. The vines are 5 feet high, and mature late. Pkt. 15 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 55 cts.; 2 lbs. \$1; 5 lbs. \$2.25.

Hundredfold Peas



Large Cheese Pumpkin

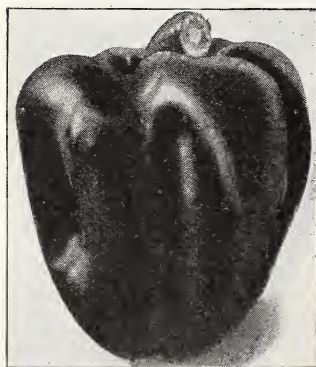


Chinese Giant Pepper



Sunnybrook Pepper

When you pick the fruits of California Wonder Pepper you will be surprised at their unusually heavy weight. One fruit, exactly like many others on one plant, measured $4\frac{1}{2}$ inches across and weighed just over $10\frac{1}{2}$ ounces. This unusual weight for a Pepper is due to the comparatively small seed cavity and very thick meaty walls of this new variety.



Ruby King Pepper

Pepper

One ounce will produce 1,000 to 1,200 plants

Sow $\frac{1}{2}$ inch deep in hotbed in March. When plants are 1 inch high, transplant into 2-inch pots and, after the open ground is warm, transplant to rows $2\frac{1}{2}$ to 3 feet apart, plants being $1\frac{1}{2}$ to 2 feet apart in the row. Seed may also be sown in the open ground, after danger of frost is past, and when plants are 3 inches high, transplanted as above. Cultivate frequently.

California Wonder Pepper. Here's a new, large Pepper of real merit. It is ideal to stuff and bake, or to serve whole with salad. Its walls are exceptionally thick, heavier and firmer than any other sort, and the flesh is deliciously sweet and spicy, with no bite to it. The bright, attractive green changes to a brilliant light crimson. Pkt. 25 cts.; 5 pkts. \$1.

Chinese Giant. An exceedingly large red Pepper. The plants are vigorous but stocky, about 2 feet high, well branched and thickly set with fruits. The monstrous mild fruits mature later than Ruby King, are blocky in form, 4 to 5 inches broad at the top and of equal length, divided into four or more large ridges, and of a most brilliant glossy scarlet color. Pkt. 15 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1; $\frac{1}{4}$ lb. \$3.

Long Red Cayenne. A red-hot variety. The slender, pointed, 3-inch pods taper from $\frac{1}{2}$ inch to the point. Pkt. 15 cts.; $\frac{1}{2}$ oz. 50 cts.; oz. 85 cts.; $\frac{1}{4}$ lb. \$2.75.

Ruby King. The plants are $2\frac{1}{2}$ feet high and very productive. Fruits are 4 to 5 inches long, of a deep green color when young and bright red when ripe. The flesh is thick and mild. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.; $\frac{1}{4}$ lb. \$2.50.

Sunnybrook. Of the Pimiento type, averaging 3 inches in diameter and 2 inches deep, rich, deep scarlet in color, produced in clusters of four or five. Pkt. 15 cts.; $\frac{1}{2}$ oz. 50 cts.; oz. 85 cts.; $\frac{1}{4}$ lb. \$2.75.

Pumpkin

One ounce will plant about 25 hills

Plant after the ground has become thoroughly warm, in hills 8 feet apart each way, dropping eight seeds to a hill. Cover firmly with 1 inch of soil. After plants are well started, thin to 4 to each hill. Pumpkins may also be planted in the corn-field, dropping three seeds in every fourth hill of corn.

King of the Mammoths, or Jumbo. Largest of all Pumpkins, often weighing 200 pounds. Shape flattened-round; skin light orange-colored, slightly rough; flesh bright yellow, of good quality. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Large Cheese or Kentucky Field. The fruits are large, flattened-round; skin mottled light green and yellow, changing to creamy yellow when mature; flesh yellow, tender, and excellent. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$1.50.

Pie or Winter Luxury. Medium size, nearly round; light yellow, smooth skin, with russet netting; flesh yellow, and sweet. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.



Early Scarlet Turnip, White-tipped Radishes

Radishes

One ounce will sow 100 feet of row

Radishes must grow quickly to be good, especially the small early sorts. The soil should, therefore, be thoroughly prepared. Start to sow right after frost is gone, at intervals of ten days or so, to insure a constant supply. Thin the early varieties to twenty-four plants to the foot. If crowded, they run to leaves without making roots. The summer and winter varieties should be thinned to 4 to the foot; winter varieties should not be sown until August.

Bright Red Forcing. An excellent extra-early forcing variety forming small, nearly round bright scarlet roots and very small tops. The flesh is white, crisp, and fine. Matures in 20 days. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Celestial or Chinese Winter. An extra-fine, very large, white, cylindrical-shaped smooth Winter Radish. When fully matured, roots will average from 6 to 9 inches long and $2\frac{1}{2}$ to 3 inches in diameter. Beautiful white skin; flesh pure white, compact, and crisp. Plant during August. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Cincinnati Market. Long, smooth, slender, uniform, tapering roots about 6 to 7 inches long, and $\frac{5}{8}$ inch in diameter at the shoulder. It is of a fine, deep red color and one of the best of the early long varieties. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Early Scarlet Globe. This Radish is a little longer than round, a rich bright scarlet in color, with tiny thread-like roots. Has a very small top and is one of the best early varieties. The flesh is white, tender and crisp. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

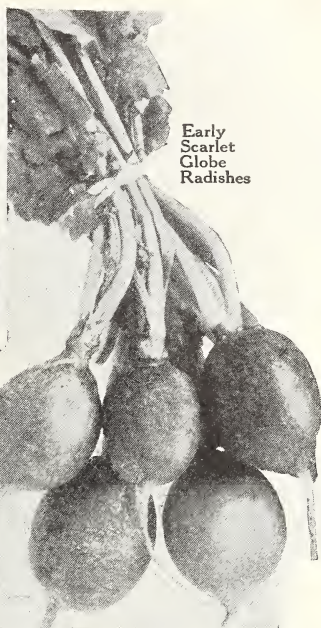
Early Scarlet Turnip, White-Tipped. A very excellent variety for early planting outdoors. It is medium-sized, nearly round, being very slightly flattened on the under side; color is a bright rose-carmine scarlet, with a distinct white tip; flesh white and of best quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Icele. A beautiful, waxy white, long-rooted Radish, gradually tapering down from the shoulder which is about $\frac{5}{8}$ inch in diameter. The roots are usually 5 to 6 inches long and have small tops. This is the earliest of the long white summer sorts. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Long Black Spanish. This winter variety produces roots with grayish black skin, 7 to 10 inches long and 2 inches in diameter. Flesh is white, crisp, and pungent, but well flavored. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Round Black Spanish. The roots of this winter variety are round, slightly top-shaped, 3 to 4 inches in diameter, and about 3 inches long; skin black; flesh white, firm, and very pungent. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

White Strasburg. Roots of a very much elongated turnip shape, 4 to 6 inches long and $1\frac{1}{2}$ to 2 inches in diameter when mature, thick at the shoulder and roundly tapering. Flesh crisp, solid, and tender. One of the best late summer sorts. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

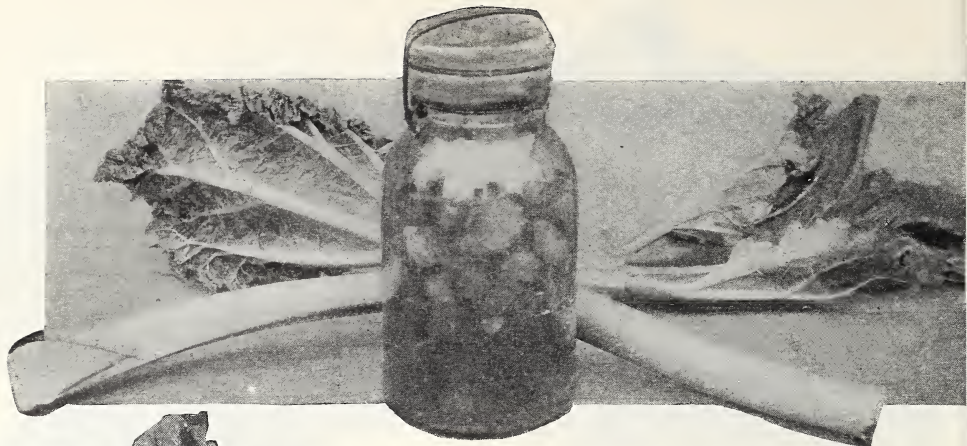


Early
Scarlet
Globe
Radishes

Soil that has been very finely pulverized grows the best Radishes. If the plants are too close the roots will be misshapen. Give them room.



Cincinnati Market Radishes



New Summer Spinach

Salsify, when cooked, is a really delicious vegetable. Boil it like carrots or after half boiling, grate it and make into flattened balls and fry like oysters.



Sandwich Island Salsify

Rhubarb Roots

Rhubarb succeeds best in a very rich, deep soil. If propagated by dividing the roots, it may be done in fall or spring, setting divisions out 3 feet apart. Use plenty of manure.

Extra-Select Clumps. 25 cts. each; \$2.50 per doz.; \$20 per 100.

Salsify • Oyster Plant

One ounce will sow 50 feet of row

Sow early in spring, in rows 12 inches apart. Cover the seed firmly with $\frac{1}{2}$ inch of fine soil; thin to 1 inch apart in the row. This is one of the most desirable winter vegetables; the roots when cooked are very palatable and nutritious.

Mammoth Sandwich Island. Large, thick, smooth, white roots. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

Sorrel

One ounce will sow 100 feet of row

Sow early in spring, thinly in rows 12 to 18 inches apart. Thin to 6 to 8 inches apart. Commence cutting two months after planting. The plants continue to bear for three years.

Large French Broad-leaved. Large, pale green leaves of mild, acid flavor; esteemed as a salad, also cooked as greens. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$2.50.

Spinach

One ounce will sow 100 feet of row

Spinach grows easily in spring and fall, but not so well in summer. Make first sowing as early as possible and repeat at intervals until June 1. Sowings for fall use may be made from August 1 to September 10. To winter over for spring use, sow from September 10 to October 5, according to season. Rows should be 1 foot apart and plants about 6 inches apart in the row. For summer use we recommend New Zealand.

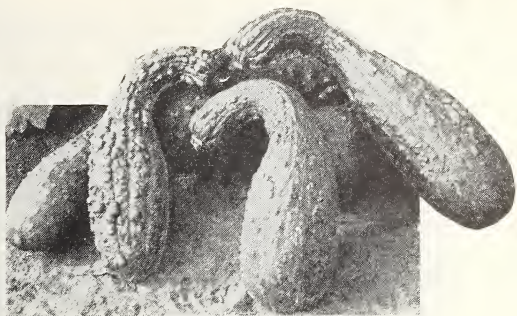
New Long-Standing Savoy-leaved. A fine strain of outstanding merit. It will stand in condition ten to fourteen days longer before bolting than regular Savoy and is darker green. It is intensely crumpled and blistered and very uniform. Oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.; 5 lbs. \$3.

New Summer. We recommend this especially for spring planting, during April and May. It forms a stocky plant with dark green blistered leaves of good substance, and will not bolt to seed or lose color for nearly two weeks. Oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.; 5 lbs. \$3.

New Zealand. A distinct Spinach differing from any true Spinach. Thrives in hot weather on any soil. The plant, of spreading habit, is very large, with comparatively small, broad, pointed leaves. The tender shoots can be cut throughout the summer. Oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.



Chicago or Warty Hubbard Squash



Mammoth Summer Crookneck Squash

Squash

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of commercial fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather (about May 15). Summer varieties should be planted in hills 4 to 6 feet apart each way; winter varieties 8 to 10 feet apart each way. Drop about six seeds to the hill. Cover firmly with $\frac{1}{2}$ inch of fine soil. When plants have attained their fourth leaves, thin out, leaving three in each hill.

Summer Varieties

One ounce will plant about 25 hills

Cocozelle, or Italian Vegetable Marrow. The dwarf bushes produce large, elongated, slightly curved, smooth dark green fruits which become marbled with yellow and lighter green. Best when 6 to 8 inches long. The flesh is very tender and delicious. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

"Des Moines." This is a small acorn-shaped dark green Squash, almost black, about 5 or 6 inches long and 4 inches in diameter. The running vines are vigorous and the ground is literally dotted with the dark-colored Squashes, of fine quality. It makes excellent pies, can be cooked whole, and keeps well. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

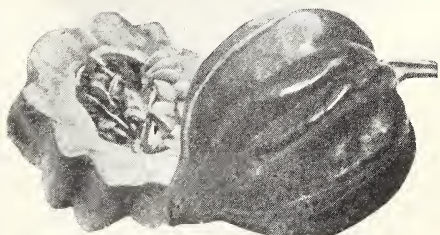
Golden Custard. A very large, golden, scalloped bush variety often 1 foot in diameter. The quality is extra fine. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Mammoth Summer Crookneck. Early, with vines of bush habit, large and vigorous. The fruits are curved at the neck, with a densely warted, golden yellow surface. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$1.75.

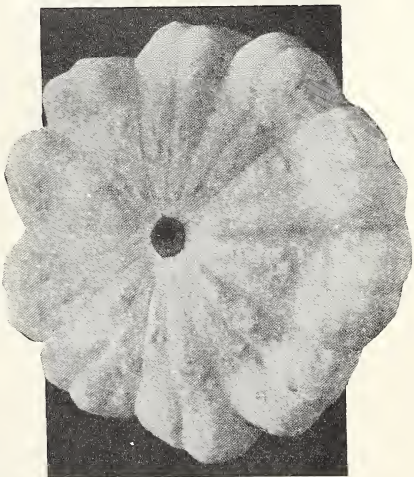
White Bush Scalloped or Patty Pan. Early, creamy white somewhat flattened, scalloped of medium size, with slightly warted surface. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$1.75.



Golden Hubbard Squash



"Des Moines" Squash



Golden Custard Squash

Winter Varieties

One ounce will plant about 15 hills

Blue Hubbard. A type of the well-known Warty Hubbard but excelling it in flavor and dryness. Attractive light blue skin and firm, thick flesh. Pkt. 15 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; lb. \$3.75.

Chicago or Warty Hubbard. Large, round, with elongated ends; hard, warted, dark olive-green shell; flesh is bright orange-yellow, fine-grained, thick, dry, and rich. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Golden Hubbard. Bright orange-red, of Hubbard shape. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Vegetable Marrow

Long White Trailing. The smooth-skinned, yellowish white fruits grow 18 inches long and 4 inches in diameter. Flesh is delicious. Pkt. 15 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.



Selected Earliana

Marglobe

Bonny Best

Tomato

One ounce produces 1,000 to 2,000 plants

Tomatoes do best on light, warm, not over-rich soil, and with a rapid, vigorous and unchecked growth early in the season. Sow in March, in rows 3 inches apart and $1\frac{1}{2}$ inches deep, in hotbed (where 60 degrees Fahrenheit is the minimum night temperature). Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant to 4 inches apart each way, either in other hotbeds, in coldframes, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills. Water when transplanting and shelter from sun until established.

Bonny Best. An excellent extra-early variety with medium-sized, bright scarlet, smooth, round fruits which ripen evenly. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 65 cts.; $\frac{1}{4}$ lb. \$1.75.

Earliana Selected. The fruits are deep scarlet, nearly round, very solid, with a very small core and few seeds. They mature very early and uniformly in prolific clusters near the center of the plant, and are borne on strong, vigorous vines. Pkt. 20 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1; $\frac{1}{4}$ lb. \$3.50.

John Baer. A fine, extra-early, round, bright red variety, free from core, having very few seeds, with a mild, sweet flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 65 cts.; $\frac{1}{4}$ lb. \$1.75.

Marglobe. This is a new midseason sort, entirely immune from rust and wilt. A pure scarlet, globe-shaped Tomato, of good size and fine quality and a heavy cropper. Pkt. 20 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1; $\frac{1}{4}$ lb. \$3.50.

Ponderosa. Enormous fruits, frequently weighing over a pound each. They are very solid and luscious, with small seed-cells, deep purplish pink, oblong and slightly ribbed. Pkt. 15 cts.; $\frac{1}{2}$ oz. 50 cts.; oz. 85 cts.; $\frac{1}{4}$ lb. \$2.50.

Stone, Selected. One of the best late red canning varieties. Fruits are large, solid, flattened-round, smooth, and uniform. Vines are large, strong, and very productive. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 65 cts.; $\frac{1}{4}$ lb. \$1.75.

Forcing Tomatoes

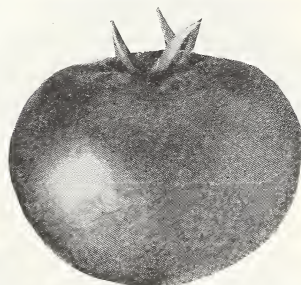
Sorts for cultivation under glass, during winter and spring.

Grand Rapids Forcing. The intense vigor insures an immense setting of fruit. It is probably the only Tomato that is self-fertilizing. Plant is a robust grower, and should be trimmed to about 6 feet in height. The fruit is a good red color of fair size, firm and meaty.

Stirling Castle. A very heavy cropper, with medium sized, smooth, round, clear red fruit of delicious flavor.

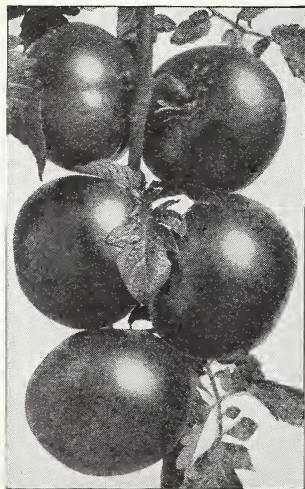
Sunrise. A fruit of fine quality, medium in size, perfectly round, and produced in characteristic long clusters. It is considered by many growers to be the best indoor Tomato.

Each, pkt. 25 cts.; $\frac{1}{4}$ oz. 75 cts.; oz. \$2.50



John Baer

Tomatoes are ideal for a home garden crop and yield heavily in a small space. Hot sun is needed to ripen them and plenty of water to keep them growing.



Grand Rapids Forcing



Ponderosa Tomatoes

Small-Fruiting Tomatoes

The fruits of these are much used for making fancy pickles, preserves, etc., while their size, shape, color, and flavor make them desirable additions to salads. The plants are extremely vigorous and very productive.

Italian Red Plum. In shape and size, this is suggestive of a hen's egg. The fruits are bright scarlet, are very solid and are produced in enormous clusters.

Red Cherry. Small fruits; used for pickles; very handsome.

Red Currant. Very small fruits; for preserves.

Red Peach. Resembling a peach; for preserves, pickles and an excellent variety for exhibition.

Red Pear. Fruit handsome and solid; fine for preserves.

Red Plum. Bright red, round, regular; for pickles.

Strawberry or Husk Tomato. The plants are of dwarf, spready growth and very productive. The fruit is yellow, about the size of a good-sized strawberry, and is enclosed in a husk.

Yellow Cherry. For pickles and preserves.

Yellow Peach. Beautiful clear yellow; resembles a peach.

Yellow Pear. Handsome yellow, pear-shaped fruits.

Yellow Plum. Round and regular; bright yellow.

Each, pkt. 15 cts.; $\frac{1}{2}$ oz. 45 cts. oz. 75 cts.



Italian Red Plum Tomatoes

A loose fertile soil is needed to mature early Turnips rapidly and to avoid the bitter flavor which develops when the growth is checked.

Turnip

One ounce will sow 200 feet of row

Turnips grow well in early spring and also in fall. They will not succeed in hot weather. The spring crop is raised from seed sown right after frost; these should be ready before June 15. After that time they are apt to be too strongly flavored. The fall crops (and these are the most important) are sown during August and September. The soil should be thoroughly worked, moderately rich, and cultivation frequent. Thin from 3 to 4 inches, according to variety. Those required for winter use may be stored in a cool cellar, covering the roots with sand.

Early White Milan. An early Turnip with clear white, very smooth, flat, symmetrical roots. The flesh is white and tender. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$1.75.

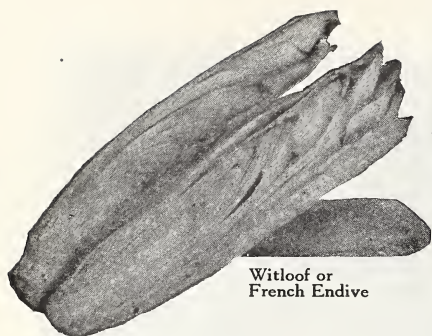
Purple-Top White Globe. The globe-shaped roots are large, white below the ground and purple above; flesh white, and tender. The dark green leaves are broad. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Snowball, Early. Quick-growing, early, with medium-sized, round, smooth, white roots, and scant top; flesh white and tender. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Yellow Globe Green-Top. Yellow-fleshed, globe-shaped, smooth roots of medium to large size, and light yellow color with small green crown. The flesh is fine-grained, and sweet. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.



Purple-Top White Globe Turnip



Witloof or
French Endive

Rutabaga

One ounce will sow 200 feet of row

Sow thinly in July, in rows 2 to 2½ feet apart; cover firmly with ½ inch of fine soil. Thin plants to stand 4 to 6 inches apart in the row. Give constant cultivation during growth. Before hard freezing weather, pull the roots and cut off tops. Store in cool cellar where it is not too dry and cover with sand.

Long Island Improved. The very finest purple-top Swede Turnip grown. Roots are globular, pale yellow with a purple top and have smaller foliage and a much shorter neck than any other variety. This is the best sort for keeping. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

Watermelon

A rich soil is necessary and the hills should be 8 feet apart each way. In warm, sandy soils, fine crops are often obtained, if plantings are made in May. Plant eight to ten seeds to the hill, covering with 1 inch of soil. When plants form first leaves thin to three plants to the hill. At the appearance of insect attack, dust freely with Slug-Shot.

Colorado Preserving Citron. Medium-sized, round, dark green fruits, marbled with light green. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.

Harris' Earliest. An extra-early melon of excellent quality. Slightly oval, with irregularly mottled broad stripes of light and dark green. Flesh bright red, sweet, and crisp. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.

Kleckley's Sweets. The vines are vigorous and productive with medium to large oblong fruits, tapering slightly toward the stem end and dark green. The flesh is very bright, rich red and exceedingly sweet, crisp, and tender. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 75 cts.; lb. \$2.



Long Island
Rutabaga

Witloof or French Endive

Sow seed in the open ground in a light rich soil not later than June, in rows 12 to 18 inches apart, thinning out plants to 8 inches apart. The plant forms long, parsnip-shaped roots. Lift these in the fall, cutting off leaves 1½ inches above the neck and store in a cool place until wanted for forcing. Sort the roots according to size. Plant roots in a trench 18 inches deep and place upright, about 2 inches apart so that the neck of the root is 9 inches below the trench-level. Cover roots with a light soil, muck, or peat. For quicker growth, use fresh horse manure, about 2 feet deep, for bottom heat, cover manure with 8 inches of soil, then plant roots. It requires about a month to force the roots, and the heads, called French Endive, are excellent. Pkt. 15 cts.; oz. 40 cts.; ¼ lb. \$1.25.

Vegetable Plants

For the convenience of those who prefer using plants and those who have been too late to start their gardens from seed, we offer well-rooted, sturdy plants, grown under glass.

These are flat-grown plants, the Tomatoes ready about May 1, the Eggplants and Peppers about May 15, and the others about April 15. There are approximately 60 plants in a flat of Eggplants, 80 in a flat of Peppers, 90 in a flat of Cauliflower, and 100 in each flat of the other kinds.

	Doz.	Flat		Doz.	Flat
Cabbage, in variety.....	\$0 30	\$1 65	Lettuce, Big Boston.....	\$0 30	\$1 65
Cauliflower, Catskill-Snowball..	35	1 80	Lettuce, Romaine or Cos.....	30	1 65
Celeriac or Knob Celery.....	25	1 50	Parsley, Double Curled.....	30	1 65
Celery for Soup Greens.....	25	1 50	Pepper, Ruby King.....	35	1 75
Celery, Table. Ready in July..	25	1 50	Pepper, Long Red Cayenne....	35	1 75
Eggplant, Black Beauty.....	50	2 00	Tomato, in variety.....	35	1 80
Kohlrabi, White Vienna.....	30	1 65	Sweet Potato. Ready June 1...	25	1 50

We can also supply pot-grown plants of Eggplant, Pepper, and Tomato from 2 to 2¼-inch pots, ready about May 15, for \$1 per doz.; \$7.50 per 100. (See page 125 for flower plants.)

Forbes Farm Seeds of Dependable Quality

Owing to the daily variations in market value of agricultural seeds and grasses, we are unable to print below fixed prices. We will, however, be glad to have you write us for prices and samples, both of which will be cheerfully sent by return mail. All our agricultural seeds and clovers are carefully selected, free from impurities, and of the highest vitality. All Farm Seeds are offered f. o. b. Newark, N. J.; bags extra.

Barley (One bushel weighs 48 lbs.)

Two-rowed or Six-rowed. The straw is good for green feed or when cured, as hay. If wanted for hay, cut while the grain-head is in soft or milky condition. The grain in the hull is excellent for poultry feed. Sow 75 to 100 lbs. to the acre broadcast from May 15 to July 1. 10 lbs. 75 cts.; 100 lbs. \$6.50.

Buckwheat (One bushel weighs 48 lbs.)

Japanese. This variety is more generally grown than any other variety of Buckwheat, the kernels being larger and of a peculiar and distinct shape. It ripens earlier, the straw is heavier, and the yield is double, or more. It is of more branching growth and does not need to be sown so thickly. It is an excellent plan to sow Crimson Clover with Buckwheat, especially when put in late, from July 15 to August 1. Sow, if alone, 50 lbs. per acre. 10 lbs. 75 cts.; 100 lbs. \$6.

Millet (One bushel weighs 50 lbs.)

Golden. Considerably larger than Hungarian and yields a much heavier crop. It is later and not so quick-growing. For hay, sow broadcast, 40 to 50 lbs. per acre. For seed, sow in drills, 25 lbs. to the acre. 10 lbs. \$1.10, 100 lbs. \$9.

Hungarian. This is the quickest catch-crop for hay, and as it may be sown during the summer months, up to August 15, it is invaluable for making up for a shortage in the regular hay crop. Sow 50 lbs. to the acre. 10 lbs. \$1.10; 100 lbs. \$9.

Japanese. This is entirely distinct from any other Millet, growing 6 to 8 feet high, producing an enormous crop, and yielding 10 to 12 tons of green fodder per acre. It makes an excellent quality of hay when cured and is of high feeding value; also valuable for ensilage. Sow 15 lbs. to the acre. 10 lbs. \$1.25; 100 lbs. \$10.

Oats (One bushel weighs 32 lbs.)

White Swedish. One of the best all-round Oats. Very valuable, as it does well on all soils, is a strong grower, and a good drought-resister. The grain is short, plump, and heavy. Sow 100 lbs. to the acre. 10 lbs. \$1; 100 lbs. \$8.50.

White Tartar. This Oat is suitable for all soils, is of robust and vigorous constitution, remarkably early, and an immense cropper. The straw, usually 4 to 5 feet in length, is stout and stands up well. The heads are 9 inches long, and the kernels are large, thick, plump, and heavy. An average yield is 100 bushels per acre. Sow 100 lbs. to the acre. 10 lbs. \$1; 100 lbs. \$8.50.

Bird Seed

Fresh, well cleaned, and of best quality. Canary, Rape, Hemp, and Millet, each 15 cts. per lb. Sunflower, 20 cts. per lb. Prices subject to change.



White Tartar Oats



Golden Millet



A field of Black Eye Cowpeas

Peas (One bushel weighs 60 lbs.)

Canada White Field. These may be grown for grain, green forage, cured hay, or pasture, and have an exceedingly high feeding value. Canada Field Peas are great soil-improvers, adding nitrogen and putting the land in better condition. For plowing under as a green manure, no crop is of more importance. Sow 180 lbs. per acre. 10 lbs. \$1.25; 100 lbs. \$9.

Cowpeas, Black Eye. This crop is used to improve wornout soils and make good land more productive. Grown extensively for forage but more largely for green fertilizing purposes, adding nitrogen to the soil. Extremely valuable as an enricher, and stands heat and sunshine remarkably well. Sow 120 lbs. to the acre. 10 lbs. \$1.40; 100 lbs. \$12.



Soy Beans

Rape (One bushel weighs 50 lbs.)

Dwarf Essex. Extremely valuable as a soil-enricher, also as a pasture crop. In the northern states it should be sown from April to end of August for fall pasture, but as it thrives best in cool weather, it should not be sown in the South until September or October for winter pasture. Sow in drills, 2 to 3 lbs. to the acre; broadcast, 4 to 5 lbs. to the acre. Lb. 25 cts.; 10 lbs. \$1.75; 100 lbs. \$12.50.

Rye (One bushel weighs 56 lbs.)

Spring. Catch-crop where fall-sown grain has been winter-killed; also for fodder and grain. Sow 100 lbs. to the acre. Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 100 lbs. \$7.50.

Winter. This is the variety used extensively for fall planting and is the old standard strain. Sow 70 to 90 lbs. to the acre. Lb. 10 cts.; 5 lbs. 40 cts.; 10 lbs. 65 cts.; 100 lbs. \$5.50.

Soy Beans (One bushel weighs 60 lbs.)

Mammoth Yellow. The best for green fodder, ensilage, or for plowing under. A great soil-enricher adding humus, and extracting nitrogen from the air. A combination of two-thirds Japanese Millet and one-third Soja Beans gives a perfectly balanced ensilage. 10 lbs. 90 cts.; 100 lbs. \$8.

Vetches (One bushel weighs 60 lbs.)

Winter, Hairy, or Sand. The branches are from 3 to 6 feet long, covered with fine hairs. It is extremely hardy. Sowings may be made from August 15 to October 1, or in the spring from April 15 to May 15. For fall sowings we advise mixing with Mammoth Red Clover or Rye, these giving a support for the vines. Sow, if alone, 60 lbs. to the acre; or with Rye, 45 lbs. of Vetch and 30 lbs. of Rye to the acre. Lb. 35 cts.; 10 lbs. \$2.75; 100 lbs. \$24.

Spring or Tares. Grown for soiling, or sown with oats for feeding green. Sow, if alone, 100 lbs. to the acre. Lb. 20 cts.; 10 lbs. \$1.50; 100 lbs. \$10.

Wheat (One bushel weighs 60 lbs.)

Spring. Can supply standard varieties from the finest pedigreed strains. Sow 90 lbs. per acre. 10 lbs. \$1; 100 lbs. \$8.

Winter. All of the standard sorts. 10 lbs. 90 cts.; 100 lbs. \$7.



Dwarf Essex Rape



Mowing a field of Alfalfa

Clovers

We offer only the best grades of Clovers and will gladly submit samples and current prices at your request. Please compare our quality when you consider any other offers.

The prices below are subject to market changes, f. o. b. Newark, N. J.; bags extra

Alfalfa. When once established Alfalfa has no equal as a hay-producer—three to four cuttings in a season—the yield averaging from 4 to 6 tons per acre. It is a true leguminous perennial and sends long taproots down into the subsoil. It is one of the best forage crops and is extremely valuable as a soil-enricher. Sow from 20 to 30 lbs. per acre. Weighs 60 lbs. to the bushel. Lb. 55 cts.; 100 lbs. \$40.

Alsike or Swedish. The hardiest of all and stands freezing. It is very nutritious and good for either green forage, pasture, or hay. It is used largely for sowing with other grasses and Clovers, forming a thick bottom and increasing the hay-yield. Sow, if alone, 8 lbs. per acre; if used with Red Clover and Timothy seed, add 2 to 3 lbs. per acre. Weighs 60 lbs. to the bushel. Lb. 60 cts.; 100 lbs. \$45.

Bokhara (Sweet White-flowering). Flowers from June to September; 4 feet high. Fine for bees. Sow 10 lbs. to the acre. Weighs 60 lbs. to the bushel. Lb. 30 cts.; 10 lbs. \$2.50.

Crimson or Scarlet. Used for green forage and as a cover crop and soil-renovator. It is an excellent nitrogen provider and yields 2 to 3 tons of hay per acre. Can be sown in late summer and plowed under next spring. Use 15 lbs. to the acre, either broadcast or drilled, and cover lightly. Weighs 60 lbs. to the bushel. Lb. 40 cts.; 100 lbs. \$25.

Grimm Alfalfa. Withstands low temperatures and cuts with greater safety in the fall than any other sort. Has larger crowns, more spreading root system, and yields heavier. Will thrive in undrained wet locations. Sow 20 lbs. per acre. Weighs 60 lbs. to the bushel. Lb. 80 cts.; 100 lbs. \$65.

Hubam. A very vigorous, rapid-growing annual Sweet Clover. Is hardy in any climate. Valuable as a hay crop and for green manuring as it grows 4 feet high. Sow 15 lbs. per acre. Weighs 60 lbs. to the bushel. Lb. 60 cts.; 100 lbs. \$45.

Mammoth Red or Pea-Vine. Larger and coarser in growth, but 2 to 3 weeks later than Common Red Clover. It is valuable for bringing poor soils back to good condition, and yields an enormous bulk. Sow 12 lbs. to the acre. Weighs 60 lbs. to the bushel. Lb. 70 cts.; 100 lbs. \$55.

Red. This does well on all soils, excepting sour, acid soils. It is biennial, growing 1 to 2 feet in height, averaging two crops per year. It yields 2 to 3 tons of cured hay per acre. If alone, sow broadcast 12 to 14 lbs. to the acre. It is largely used mixed with Timothy, Orchard Grass, or Tall Oat Grass at the rate of 8 to 10 lbs. of Clover to 25 lbs. of Timothy. Weighs 60 lbs. to the bushel. Lb. 60 cts.; 100 lbs. \$45.

White Clover. A very hardy creeping perennial adapted to most soils. Used for lawns as it forms a dense sward. Sow, if alone, 8 lbs. per acre; with grasses 4 lbs. per acre. $\frac{1}{2}$ lb. 25 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. 65 cts.; 10 lbs. \$6; 100 lbs. \$55.

Mixed Permanent Clover. Contains Alsike, Mammoth Red, Red and White. For green-manuring. Sow 12 lbs. to the acre. Weighs 60 lbs. to the bushel. Lb. 65 cts.; 100 lbs. \$50.



Mammoth Red Clover



Crimson or Scarlet Clover



A good crop from Forbes Permanent Pasture and Hay Mixture

Individual Grass Seeds

Our Grass Seeds are obtained direct from the best original sources, are botanically true, unblended new crop, and are re-cleaned to the highest purity and germination.

The prices below are subject to market fluctuations, f. o. b. Newark, N. J.; bags extra



Fancy Redtop Grass



Bermuda Grass (*Cynodon dactylon*). Much used in the South where other grasses will not grow. A perennial of low, creeping habit. Helps to bind sandy soils. Sow 6 lbs. to the acre. Lb. 70 cts.; 100 lbs. \$55.

Canada Blue Grass (*Poa compressa*). A suitable grass for hard, dry soils. Excellent for rooting on steep places. Sow 42 lbs. to the acre. Lb. 55 cts.; 100 lbs. \$40.

Creeping Bent (*Agrostis stolonifera*). Well adapted for most soils. Makes thick velvety putting-greens and is very fine-leaved. Sow 40 lbs. to the acre. Lb. \$1.50; 100 lbs. \$110.

Crested Dog's-tail (*Cynosurus cristatus*). A fine short grass for dry, exposed soils, is hardy and withstands extremes. Sow 32 lbs. to the acre. Lb. 65 cts.; 100 lbs. \$60.

English Ryegrass (*Lolium perenne*). Invaluable for permanent pastures, as it forms compact sward, remains bright and green throughout the season, and is a rapid grower. Sow 60 lbs. to the acre. Lb. 35 cts.; 100 lbs. \$25.

Fine-leaved Sheep's Fescue (*Festuca ovina tenuifolia*). The leaves are small, wire-like, very fine but tough and stiff. The color is beautiful dark green. Valuable for lawns subjected to hard wear, tees, and putting-greens. Sow 30 lbs. to the acre. Lb. 85 cts.; 100 lbs. \$75.

Hard Fescue (*Festuca duriuscula*). A dwarf-growing, early, very hardy, robust grass, succeeding well in dry soils. Sow 30 lbs. to the acre. Lb. 55 cts.; 100 lbs. \$40.

Italian Ryegrass (*Lolium italicum*). Thrives on any good soil and is unequalled for producing feed early in the spring as well as throughout the season. Responds quickly to rich food and moisture and is a rapid grower. Sow 50 lbs. to the acre. Lb. 30 cts.; 100 lbs. \$20.

Kentucky Blue Grass (*Poa pratensis*). This is suited to a variety of soils and is largely used as a pasture grass. It is unusually early, and presents a beautiful green appearance in early spring when other grasses are still dormant. Sow 60 lbs. to the acre. Lb. 60 cts.; 100 lbs. \$45.

Meadow Fescue (*Festuca pratensis*). One of the finest annual grasses for permanent pastures, highly nutritious and relished by stock. Succeeds well in all soils but best on moist land. Robust in habit and grows over a long season. Sow 50 to 70 lbs. to the acre. Lb. 55 cts.; 100 lbs. \$40.

Meadow Foxtail (*Alopecurus pratensis*). It withstands close cropping better than most other grasses, and is fine for sheep-pastures, reviving quickly after long droughts. Sow 20 to 30 lbs. to the acre. Lb. \$1; 100 lbs. \$90.



Field of Timothy and Alsike Clover

Individual Grass Seeds

Orchard Grass (*Dactylis glomerata*). This grass is highly valuable on account of its earliness and rapidity of growth. Succeeds on any soil, especially in moist, shady places. As it is inclined to grow in tufts it should be sown very evenly. Sow 50 lbs. to the acre. Lb. 45 cts.; 100 lbs. \$35.

Red Fescue (*Festuca rubra*). This is of creeping habit and withstands severe droughts. It roots rapidly and remains fresh and green under trying conditions. Adapted for dry pasture and on loose, light soils, embankments, etc. Sow 35 lbs. to the acre. Lb. 65 cts.; 100 lbs. \$50.

Redtop Fancy (*Agrostis palustris*). This grass is used for mixing in hay or permanent pasture and does best in a moist, rich soil where it attains a height of 2½ feet. We offer only the best quality of re-cleaned seeds, free from chaff. Sow 32 lbs. to the acre. Lb. 50 cts.; 100 lbs. \$40.

Rough-stalked Meadow (*Poa trivialis*). A spreading, thickly matting, stoloniferous-rooted species; leaf blades narrow, flat and dark green. Forms a fine turf; adapted for shady situation on fairways under trees. Thrives on moist and stiff clay lands. Lb. 85 cts.; 100 lbs. \$70.

Sheep's Fescue (*Festuca ovina*). This short, dense-growing grass has an excellent nutritive value which offsets its lack of bulk. Excellent for upland or dry pasture. It has fine foliage and compact habit and is suitable for lawn mixtures. Sow 30 lbs. to the acre. Lb. 55 cts.; 100 lbs. \$40.

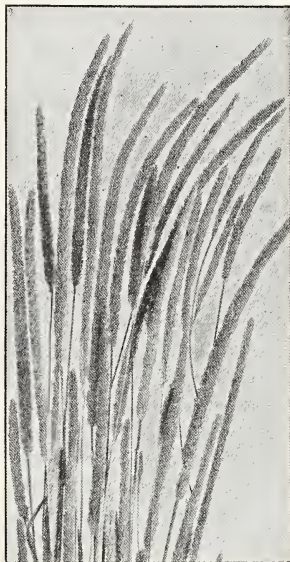
Sudan Grass (*Sorghum Sp.*). The finest hay and forage crop for dry sections. It is an annual and is killed by frost each year. It attains 4 to 5 feet in height, and makes an excellent hay. Sow 15 to 20 lbs. to the acre. Lb. 25 cts.; 100 lbs. \$15.

Tall Fescue (*Festuca elatior*). A coarse-growing grass adapted to moist, stiff, clay soils and shady woods, making fine hay. Sow 35 lbs. to the acre. Lb. 70 cts.; 100 lbs. \$60.

Tall Meadow Oat Grass (*Avena elatior*). It is hardy and can endure extreme temperatures; best on a sandy soil. Sow 50 lbs. to the acre. Lb. 45 cts.; 100 lbs. \$40.

Timothy (*Pbleum pratense*). This perennial grass, 4 feet high, thrives in moist, loamy soils. Sow 40 lbs. to the acre. Lb. 25 cts.; 100 lbs. \$15. (A bushel weighs 45 lbs.)

Wood Meadow Grass (*Poa nemoralis*). Fine for shade. Makes good sod. Sow 28 lbs. per acre. Lb. 90 cts.; 100 lbs. \$75.



Timothy



Permanent Pasture and Hay Mixture

A mixture of varieties which will form a permanent pasture that lasts for years. Composed of native and acclimated grasses, which have been found to be best. These are blended in their proper proportions. Sow on new land which has been plowed and harrowed, at the rate of 50 lbs. per acre; on ground partly covered, about 30 lbs. per acre. Lb. 45 cts.; 10 lbs. \$4; 100 lbs. \$35, transportation charges prepaid.

Field Corn

Plant on well-drained land as soon as nights are warm. For the Flint varieties space the hills 3 by 3 feet, for the larger Dent sorts 4 by 4 feet. 15 lbs. will plant an acre.

A bushel weighs 56 lbs. The prices below are all f. o. b. Newark, N. J.; bags extra

Dent Varieties

Droughtproof. This is an early Yellow Dent of great merit, which originated in Ohio. The introducer claims: "It is the largest grained and has the smallest cob of any Yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain." It withstands drought better than other varieties. All points considered, it is the best 90 to 100-day Corn on the market.

Eureka, Yellow. An early, large-eared Yellow Dent Corn; grains are very deep, good orange color; cob small; matures early, a week or 10 days later than the Leaming. Productive.

Golden Beauty. A broad-grained, large-eared variety, maturing in about 120 days. Cob is small; grain very heavy and beautiful golden yellow. Very popular in New Jersey.

Leaming. Very early and prolific; ears of good size, grain of good golden color, very heavy; popular for ensilage purposes.

Flint Varieties

Canada Yellow. Old but still popular. Matures in 90 days, and is always reliable. Ears are of good length, containing eight rows of large, yellow grains. Also grows a good fodder. Grows on poor land; heavy cropper.

Large White. Large, early, handsome, filled ears; grain white.

Longfellow. The longest ear of all the Yellow Flint sorts; will ripen as far north as Massachusetts.

Prices on all Dent and Flint Field Corn varieties,
lb. 20 cts.; 10 lbs. \$1.50; 100 lbs. \$10

Ensilage Corn

Lucy's Favorite. A hybrid 8-rowed Yellow Dent, but shows mixture of Flint types. Very largely used in the dairy districts. Not recommended as a producer of Corn for husking, but as an ensilage Corn. The stalks will leaf heavily from the ground up. Use about 25 lbs. in drills for an acre. Lb. 20 cts.; 10 lbs. \$1.50; 100 lbs. \$10.

Sweet Fodder Corn

For feeding and cutting in summer, this provides a most satisfactory fodder. Every part of the plant above ground is digestible; so for an economical fodder and increaser of milk-flow there is none better. Sow broadcast, 100 lbs. per acre. Lb. 20 cts.; 10 lbs. \$1.50; 100 lbs. \$10. (A bushel weighs about 50 lbs.)

Mangel and Sugar Beet

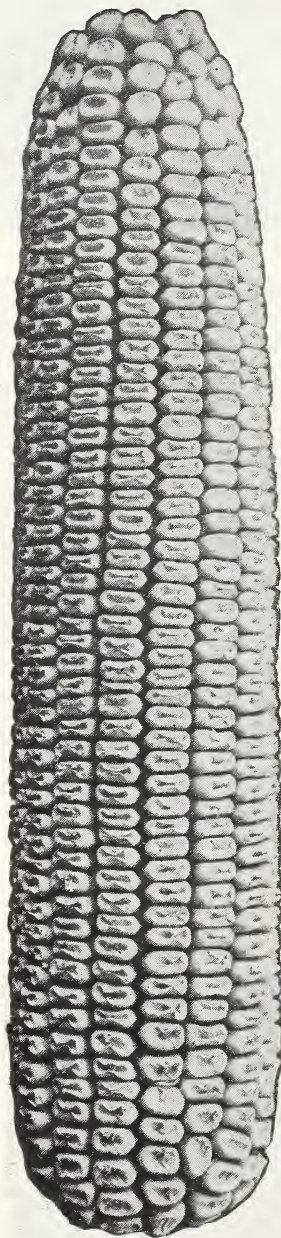
Used for stock and chicken feed. Sow in rows 3 feet apart, from May 15 to June 15; thin out to 6 inches apart and cultivate freely. Use 8 to 12 lbs. of seed per acre.

Mangel, Golden Tankard. Quite large and of cylindrical shape. The skin is deep orange-red and the flesh is zoned with yellow and white and is very nutritious. $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.; 100 lbs. \$65.

Mangel, Mammoth Long Red. The largest of all the Mangels. The root is 15 to 18 inches long, over 6 inches in diameter, and with a heavy shoulder. It grows one-half above ground and is easily pulled. $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.; 100 lbs. \$65.

Sugar Beet, Giant Half-Sugar Rose. Very large, smooth, and clean, of oval shape. The skin is rose-white with a deeper rose-colored top. The flesh is white and of high nutritive value. $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.; 100 lbs. \$65.

Sugar Beet, Vilmorin's Improved. The highest in nutritive value and percentage of sugar. A large, smooth, tapering white root. $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.; 100 lbs. \$65.



Droughtproof Dent Corn

Forbes Bulbs and Roots for Summer Flowers

During recent years there has been a tremendous increase in the interest shown by flower fanciers in those summer and fall flowers produced from spring- and early summer-planted bulbs or roots. And yet when the ease of culture, adaptability to soil conditions, certainty of success and the beautiful color effects possible are considered, it is surprising that this interest has been so tardy. The remarkable advance in the development of this class of flowers has no doubt increased their popularity and the range of color and form obtainable seems unlimited. Our offerings of Cannas, Gladiolus, Dahlias and other Summer-flowering bulbs include only those sorts which we have determined to have real merit. We supply the highest quality stock.

Amaryllis

These gorgeous blooms, with their wealth of color, are very easily grown for indoor display. Pot the bulbs singly in 6-inch pots in good garden loam enriched with bone-meal. Water slightly and keep in a dark place at 50 to 60° temperature for about a month until well rooted, then expose to full sun and water regularly. It is essential for good bloom that the roots become crowded in the pot. For this reason do not shift to a larger pot when the roots appear to be cramped, as they require very little soil. After flowering, set the pots outdoors in partial shade until the bulbs become dormant, watering occasionally. Allow them to rest until late fall, when they may be brought indoors to bloom again the next spring.

Giant-flowered Hybrids. These bulbs produce four to six trumpet-like, perfect blooms on strong stems. The colors range from beautiful markings of rose, red, and crimson on pure white grounds to rich scarlet, crimson, bright red, cherry, and maroon self colors. 75 cts. each; \$7.50 per doz.



Giant Hybrid Amaryllis

Begonias

These beautiful flowers make excellent beds and borders, and are also unusually fine for indoor house plants. They are of very easy culture. For bedding, plant the tubers outdoors late in May, 10 inches apart. They require ample moisture and good drainage. For indoor forcing, plant 3 tubers to a 7-inch pot in finely sifted, sandy loam containing leaf-mold. Cover with ½-inch of soil and water sparingly. Keep at 60 to 70° temperature. After good growth is made, water quite freely. Tubers may be started indoors in March or April and later transplanted to beds outdoors to give earlier bloom.

Single, Tuberous-rooted. Effective for bedding. The waxy, broad-petaled, single flowers are produced in abundance on ample foliage. Selected tubers of **Pink, Scarlet, White, and Yellow**, 30 cts. each; \$3 per doz.; \$20 per 100.

Double, Tuberous-rooted. These are the best for growing indoors as specimen plants, and are offered in **Pink, Scarlet, White, and Yellow**. 30 cts. each; \$3 per doz.; \$20 per 100.

Caladium esculentum • Elephant's Ear

One of the most effective plants in cultivation for beds, borders, or for planting out upon the lawn. Their large, rich green leaves often measure 3 to 4 feet long and 2½ feet wide. Bulbs do best if planted outdoors about June 1. **Large Bulbs**, 15 cts. each; \$1.50 per doz.; \$10 per 100. **Largest-size Bulbs**, 35 cts. each; \$3.50 per doz.; \$25 per 100.

See next page for Fancy-Leaved Caladiums



Caladium esculentum



Fancy-leaved Caladiums



An attractive Canna bed

Fancy-Leaved Caladiums

Few, if any, of the summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Use a well-drained sandy loam, water sparingly, and keep at 60° until well started. Then water quite freely. **Extra-Choice Mixture**, 40 cts. each; \$4 per doz.; \$30 per 100.

Canna Roots

Cannas are the most economical and effective plants employed in our gardens. They bloom from early summer until frost in all sections of the country, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded deeply, and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times freely watered. Plant the dormant roots after May 15, spacing them 2 feet apart. Set them with the "eye" just above the ground. They are most effective when planted in masses of one variety in mixed borders. Their long season insures a constant display of color.

A New Canna

Improved Yellow King Humbert

The foliage of this is identical with the original red-flowered King Humbert, a rich shade of reddish bronze. Its flowers are of very large size, bright yellow lightly spotted with red, and borne well above the foliage. Do not confuse this new Canna with the Yellow King Humbert which has the same flower as this one but has green foliage. Ht. 4 ft. 25 cts. each; \$2.50 per doz.; \$20 per 100.

- Brandywine.** Large wine-red flowers, borne on strong, upright stems. The foliage is rich reddish bronze. Ht. 4 ft.
- City of Portland.** A beautiful rose which does not fade during hot weather. The flowers, of good formation, are freely produced in immense trusses. Foliage is green. Ht. 4 ft.
- Eureka.** A free bloomer. Its great trusses of perfect creamy white flowers stand well above the green foliage. Ht. 4 ft.
- Fiery Cross.** A very vivid scarlet shading to crimson. Masses of this make a colorful bed. The foliage is green. Ht. 5 ft.
- King Humbert.** Enormous trusses of flowers that measure 6 inches across, and are a rich salmon-scarlet, distinctly and numerous flecked with deep crimson. It is a free blooming, orchid-flowered variety, and with its rich, coppery bronze, massive foliage, is very striking. Ht. 5 ft.
- Louisiana.** An orchid-flowering variety of vivid scarlet. The long, silky flowers are borne on strong, erect stems. The foliage is glossy green. Ht. 6 ft.
- Richard Wallace.** An ideal bedding variety. The refreshing canary-yellow flowers are of good size held well above the green foliage. A very free bloomer. Ht. 4 ft.
- The President.** Immense, firm, rich, glowing scarlet flowers, 7 inches across when open, on strong, erect stalks well above the large, rich green foliage. Ht. 5 ft.
- Wintzer's Colossal.** The flowers frequently measure 8 inches in diameter. It is a bright scarlet, very effective, free flowering, bedding variety with green foliage. Ht. 5 ft.

Dormant roots of any of the above 9 varieties, 20 cts. each; \$2 per doz.; \$15 per 100

Callas • Richardia

The variety offered below succeeds best when treated in the same manner as gladiolus, tuberose and other summer-flowering bulbs. Plant the dormant bulbs in the open border in spring when danger from frost is over, and they will flower during the summer months. When the tops are killed by frost, dig and store through the winter as you would potatoes.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety but of a rich, lustrous golden yellow velvety texture; the foliage is dark green, with a number of translucent creamy white spots, which add much to its beauty. 50 cts. each; \$5 per doz.; \$40 per 100.

Cinnamon Vine

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring. Large, select roots, 15 cts. each; \$1.50 per doz.; \$12 per 100.



Calla Lily

Dahlias

The popularity of the Dahlia has come, not only from the individual beauty and color of the bloom itself, but more from the ease with which the average garden lover can successfully grow it. The varied forms and pleasing color combinations arouse a desire for more intimate acquaintance, and their companionship in the garden throughout one season stimulates a desire for more and better varieties. This is true with many flowers, but the ready success in growing Dahlias makes them exceptionally popular. They add color at a time when other flowers are past.

Recently Introduced Dahlias of Exceptional Beauty

Of the newly developed varieties, we offer the following as those having the most merit. They have been carefully tried out and will give you the greatest satisfaction and pleasure.

Alice Whittier. (*Hybrid Cactus*.) Large, though elegantly formed blooms of clear primrose yellow, borne on good stems, which are beautiful when cut for vase decoration. Plants, \$1 each. Tubers, \$1.50.

Amarillo Grande. (*Hybrid Decorative*.) A light yellow with broad petals and enormous flowers produced in abundance. Plants, 75 cts. each. Tubers, \$1.50.

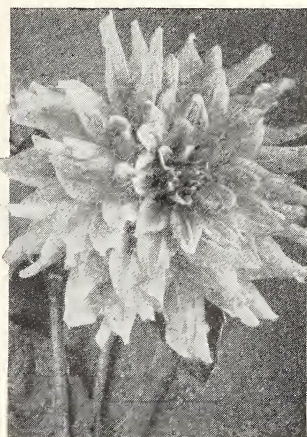
Chemar's Eureka. (*Decorative*.) This is an outstanding new variety. The color is an excellent white, sometimes showing a light lavender cast in the center. The flowers are large and are held well on the strong stems. Chemar's Eureka is perhaps the finest white Decorative so far. Plants, \$5 each. Tubers, \$10.

Color Sergeant. (*Decorative*.) Good, strong-growing plants of excellent habit. The rich deep salmon-rose blooms are nicely held on perfect stems. Plants, \$1.25 ea. Tubers, \$2.50.

Eagle Rock Beauty. (*Decorative*.) A pretty combination of pastel pink with ivory or cream shadings. The flowers, with long, reflexing petals are of giant size and abundantly borne on good stems. Plants, \$1.25 each. Tubers, \$2.50.

Eagle Rock Jewel. (*Hybrid Cactus*.) A heavily petaled flower of rich pink, tinted and toned with cream, with long, gracefully curled petals. Plants, \$3.75 each. Tubers, \$7.50.

Elite Peach. (*Decorative*.) This much-admired Dahlia has one-tone flowers of exquisite charm and beauty. They are peach-blossom-pink, held well above the vigorous foliage on long, rigid stems. Plants, \$1 each. Tubers, \$2.



Eagle Rock Beauty



Elite Peach

Recently Introduced Dahlias of Exceptional Beauty



Watchung Sunrise



Jersey's Beauty



Trentonian

Elite Glory. (*Decorative.*) This is considered by experts to be the most distinctive Dahlia to date. Its massive blooms of radiant bright red are held perfectly erect on strong, cane-like stems. The tough, leathery foliage is practically immune from insects. Plants, \$1 each. Tubers, \$2.

Fort Washington. (*Decorative.*) A dark mahogany-red that does not fade. The best and largest dark red exhibition *Decorative*. Plants as well as flowers are giants, with long, strong stems. Plants, \$1.25 each. Tubers, \$2.50.

Jane Cowl. (*Decorative.*) This remarkable prize-winner has a large, deep flower colored warm buff and old-gold, blending to bright salmon at the perfect center. It is an unusually fine variety. Plants, \$3.75 each. Tubers, \$7.50.

Kathleen Norris. (*Decorative.*) This much admired new variety is a true rose-pink, later deepening to mallow-pink but paler in the center. The blooms are very large, with broad overlapping petals with twisted ends. The dark foliage is insect-proof. Plants, \$5 each. Tubers, \$10.

Watchung Sunrise. (*Decorative.*) Large, deep flowers, with back petals curving almost to the stem. The color is golden amber, with the reverse of petals showing rose-pink, each petal being narrowly margined clear rose-pink. Plants, \$2.50 each. Tubers, \$5.

Superb Decorative Dahlias

The *Decorative Dahlia* takes varied forms. Some have flat petals, others reflexed, some incurved, and still others curiously twisted. All are of perfect form and coloring.

Bashful Giant. One of the largest Dahlias yet introduced.

A great attractive exhibition flower; color apricot with golden suffusion and shadings. Tubers, \$1 each; \$10 per doz.

Calizona. The large, deep rich yellow flowers of very distinct shape stand out boldly. Plants, \$1 each. Tubers, \$2.

Champagne. A rich cream suffused with light jasper-red, giving the flower a tone of glowing pinkish orange-buff. Plants, 50 cts. each. Tubers, 75 cts.

Charles H. Stratton. A splendid exhibition Dahlia, extra large, pale gold shaded and tipped with old rose. Plants, 50 cts. each. Tubers, 75 cts.

Delice. Glowing rose-pink, slightly tinted pale lavender. Perfect in form. Tubers, 35 cts. each; \$3.50 per doz.

Jack Rose. Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety. Tubers, 35 cts. each; \$3.50 per doz.

Jersey's Beauty. Vivid, glowing pink, immense, deep, massive flowers of perfect form, held erect, on long, strong stems. Plants, 50 cts. each. Tubers, 75 cts.

Judge Marean. The colors change as the flowers pass through different stages forming a combination of glowing salmon-pink, red, iridescent orange, yellow, and gold, all blending most harmoniously. Plants, 50 cts. each. Tubers, 75 cts.

Le Grand Manitou. Pure white blooms artistically striped, splashed and blotched with deep violet-purple. Tubers, 35 cts. each; \$3.50 per doz.

Minnie McCullough. Soft golden yellow, tipped bronzy red. Very effective. Tubers, 35 cts. each; \$3.50 per doz.

Mr. Crowley. An exquisite shade of salmon-pink with the base of the petals golden yellow. A splendid exhibition flower. Plants, 50 cts. each. Tubers, 75 cts.

Mrs. I. de Ver Warner. A refined, deep mauve-pink Dahlia of perfect form, impressive on account of its size. It is an abundant bloomer, splendid for exhibition and fine for the garden. Tubers, 75 cts. each; \$7.50 per doz.

Pride of California. A brilliant, glowing cardinal-red, of good size, very free, and wonderful keeper as a cut-flower. The best of its color. Tubers, 75 cts. each; \$7.50 per doz.

Trentonian. This is a very large Dahlia of a shade that instantly appeals—a fine blending of old-gold, amber, and coppery bronze, the whole forming a flower of beautiful brilliancy, with a reddish bronze center. The stems are long and strong. Plants, 50 cts. each. Tubers, 75 cts.

Select Cactus Dahlias

These varieties bloom well under varying conditions, are all excellent cut-flowers and splendid for garden decoration.

Ambassador. Its color is a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening toward the tips. The flowers are of largest size and on perfect stems. Tubers, \$1 each; \$10 per doz.

Attraction. Gracefully arranged curled or twisted petals of a lively yet soft silvery mauve-rose, suffused with white. The habit of the plant is perfect, with long stems as stiff as a cane. Tubers, 75 cts. each; \$7.50 per doz.

California Beauty. Probably the nearest approach to a pure copper, a flower of excellent form and dainty appearance produced most prolifically on long, stiff, wiry stems. A splendid cut-flower. Plants, 50 cts. each. Tubers, 75 cts.

Countess of Lonsdale. The best-known of all the Cactus Dahlias, with broad, straight, pointed petals of a deep salmon-red color. Tubers, 50 cts. each; \$5 per doz.

Emma Marie. Beautifully colored clear violet-rose, with a creamy white center. A robust grower with fine stems and keeping qualities. Plants, 50 cts. each. Tubers, 75 cts.

F. W. Fellowes. The flowers are of unusual size for the long, narrow-petaled type, and of intense coral-red color with deeper suffusion toward the center. Excellent as a cut-flower. Plants, 50 cts. each. Tubers, 75 cts.

Gladys Sherwood. Immense, pure white blooms, deep and full, held very erect on long, fine stems. A most popular white. Plants, 50 cts. each. Tubers, 75 cts.

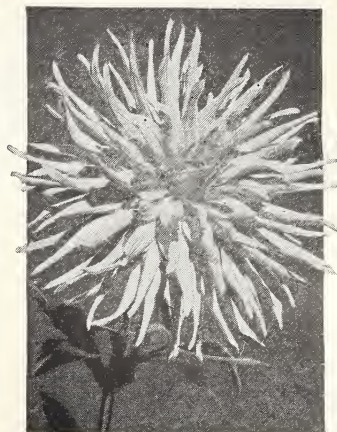
Islam Patrol. A gorgeously colored flower—velvety crimson-scarlet tipped and flushed with pure gold. It is very early and holds its perfect shape to the end of the season. Plants 75 cts. each. Tubers, \$1.

J. H. Jackson. A perfectly gorgeous deep, velvety, blackish maroon bloom, gigantic in size. Every Dahlia-lover should grow this variety. Tubers, 40 cts. each; \$4 per doz.

Kalif. Pure scarlet. A truly majestic flower frequently measuring 8 to 10 inches in diameter. Strong grower. Tubers, 75 cts. each; \$7.50 per doz.

Lawine. A strong, vigorous grower, with early white flowers lightly suffused pink. Tubers, 35 cts. each; \$3.50 per doz.

Prince of Yellows. One of the best long-stemmed, yellow Dahlias for cutting. Large, rich canary-yellow blooms. Tubers, 35 cts. each; \$3.50 per doz.



Ambassador



Kalif

Choice Show Dahlias

Great, round, densely double flowers with perfectly quilled petals. Their great size and rich colors make them wonderfully effective in the garden or for cutting.

A. D. Livoni. A splendid clear bright pink of perfect form. Blooms very freely. Tubers, 35 cts. each; \$3.50 per doz.

American Beauty. Very compact flower of wine-crimson color. An attractive variety. Tubers, 50 cts. each; \$5 per doz.

Frank Smith. Very full, ball-shaped blooms of dark rich maroon, tipped white. Tubers, 35 cts. each; \$3.50 per doz.

Maude Adams. Pleasing, double flowers of pure white, very effectively tipped delicate clear pink. An attractive variety. Tubers, 35 cts. each; \$3.50 per doz.

Yellow Duke. Splendid bright primrose-yellow flowers produced in great numbers. Tubers, 35 cts. each; \$3.50 per doz.

Fine Single Dahlias

The single flowers are very lovely in their simplicity, and the delicate shades of color are very attractive. They make charming displays for the home.

Rose-Pink Century. A fine single Dahlia of a clear rose-pink color. Tubers, 35 cts. each; \$3.50 per doz.

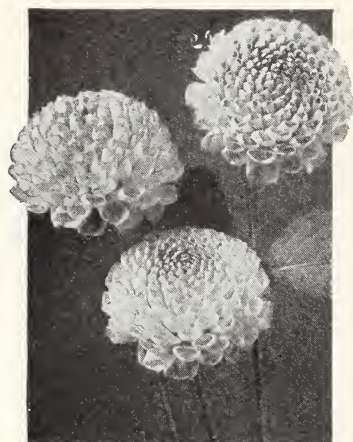
Sensation. A Century with vivid scarlet flowers, heavily tipped with white. Tubers, 35 cts. each; \$3.50 per doz.

St. George. A very free-flowering clear yellow. Tubers, 35 cts. each; \$3.50 per doz.

White Century. Beautiful snow-white flowers. Tubers, 35 cts. each; \$3.50 per doz.



Single Dahlia



Pompon Dahlias



Plant and flower
branch of
Dicentra spectabilis

Peony-flowered Dahlias

These Dahlias get their name from their close resemblance to the beautiful peony. They bloom with the utmost freedom, on long, graceful stems. Very imposing and striking in the garden and particularly fine for cutting.

Diament van Bijstein. Faint lilac-mauve, with bluish tints,

borne on long, wiry stems. Tubers, 50 cts. each; \$5 per doz.

Niagara. Fine cut-flowers in clear red, freely produced on strong bushes. Tubers, 75 cts. each; \$7.50 per doz.

Pacific Glow. A charming pink Dahlia on wiry stems, produced in large numbers. Tubers, 65 cts. each; \$6.50 per doz.

Princess Juliana. Beautifully formed, pure white flowers on strong bushes. Tubers, 35 cts. each; \$3.50 per doz.

Winifred. Attractive clear yellow flowers freely produced on good cutting stems. Tubers, 65 cts. each; \$6.50 per doz.

Dainty Pompon Dahlias

These are miniature Show Dahlias in form, having the same ball-like shape but are much smaller in size. The plants are small, of branching habit, producing an endless profusion of flowers invaluable for table decoration. They are delightful in vases, baskets, and bowls, and last for a week in water.

Crimson Queen. Rich deep crimson, shaded purple. A delightful cutting variety. Tubers, 30 cts. each; \$3 per doz.

Lassie. Flowers are yellow at the base, shading to carmine at the tips. Tubers, 30 cts. each; \$3 per doz.

Little Beauty. A beautiful shade of delicate shrimp-pink. Tubers, 30 cts. each; \$3 per doz.

Snowclad. The best pure white Pompon variety. Tubers, 30 cts. each; \$3 per doz.

Modern Dahlia Culture. By W. H. Waite. Brief, complete advice how to plant, enrich, propagate, disbud, store and show Dahlias, with lists of don'ts for their health. Color plates. 126 pp. \$1.50.

DAHLIA CULTURE.—Thrives best in a sunny location. Work the soil to a depth of 8 inches and pulverize thoroughly in the fall and again in the spring mixing with it dry sheep manure. From May 15 to June 15 plant the bulbs, about 6 inches deep laid flat with the eye up and cover with 2 inches of soil. Above this place two handfuls of fertilizer mixed with soil (for each bulb) and fill to the level with soil. Top dress periodically during growth and cultivate frequently but less deeply as the growth advances. It is best to have plants stand 2 feet apart in rows which are 3 feet apart. Place stakes when planting roots and begin to tie up when plants are about 1½ to 2 feet high. When 3 feet high hoe in a handful of fertilizer around each plant, and about every three weeks apply either dry or liquid fertilizer. At all times keep fertilizer at least 4 inches away from the sprout. After plants commence to blossom, stop cultivation except to keep surface from baking after rain. It is better to soak thoroughly occasionally than to sprinkle the surface frequently.

Three or four days after the frost has killed the plants, carefully dig up the dormant clumps with a fork. Cut off the tops about 3 inches above the clumps and dry in the sun for a couple of hours only. Pack in paper-lined boxes or barrels with top of clumps downward, and place in cellar in an even temperature of about 45 to 50° F. Keep from freezing and cover with bagging to exclude the air.

Dicentra spectabilis • Bleeding-Heart

This old-fashioned favorite has long racemes of graceful, heart-shaped, pink blooms that are always attractive. It is used largely for forcing, but it is quite at home in any part of the hardy border, especially the shade. Strong roots, 75 cts. each; \$7.50 per doz.; \$55 per 100.

Rare Gladiolus of Exceptional Merit

For those garden-lovers who have become better acquainted with the Gladiolus and who wish to grow blooms of unusual merit this year, we suggest these varieties. Our selection is the result of careful trials made of the latest advancement in coloring, size, and strength of stem. In these trials we have compared hundreds of the newer developments with the older, better-known sorts. We thoroughly recommend each as the outstanding variety in its class, and we know that the blooms will give you genuine satisfaction. Their wondrous beauty will exceed even the most extravagant anticipation.

ANNIE LAURIE. Outstanding among recent introductions with its delicate pink, overlaid with light rose-pink, with deeper lines and darker markings in the throat. 50 cts. each; \$5 per doz.; \$35 per 100.

BENGAL TIGER. This is a very striking and unique combination of a peculiar dull red with dusky, bluish gray stripes. 25 cts. each; \$2.50 per doz.; \$20 per 100.

GIANT NYMPH. Very tall stems, bearing huge open flowers on light rose-pink with creamy yellow throat. 20 cts. each; \$2 per doz.; \$15 per 100.

LOS ANGELES. Unusually beautiful shrimp-pink flowers, with glowing orange-carmine blotch in the throat, on tall, graceful stems. 25 cts. each; \$2.50 per doz.; \$20 per 100.

MR. W. H. PHIPPS. A truly super-Gladiolus, with many enormous flowers open at one time on huge stems. A La France-pink overlaid with salmon-rose paling toward the center, the lower petals faintly striped and speckled with ruby. 35 cts. each; \$3.50 per doz.; \$25 per 100.

PEACH ROSE. This is a very beautiful deep rose-pink variety, with rose-red blotches in the throat. 20 cts. each; \$2 per doz.; \$15 per 100.

Some Very Choice Ruffled Varieties

The ruffled petals give the flowers of this class exceptional beauty. The varieties below have unusually large blooms.

Joe Coleman. Vivid red, with carmine blotches. The flowers on each spike open evenly, giving a very full effect. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Marie Kunder. Purest white, with almost invisible pink lines in center of lower petals; finely ruffled and very early. 20 cts. each; \$2 per doz.; \$15 per 100.

Miss Helen Franklin. Medium ruffled, pure white, with lavender markings. A profuse bloomer with the large flowers well placed on strong, tall stems. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Mrs. H. E. Bothin. Beautiful geranium-pink, tinted salmon, with a flaming scarlet center. This very striking color combination with the heavy ruffle of the graceful flowers is attractive. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Orange Glory. Deep orange, with carmine-blotched throat and stripes of creamy white on lower petals. The strong plants are very vigorous with strong stems, and heavily ruffled flowers. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Pride of Lancaster. Brilliant orange-salmon, with scarlet throat; beautifully ruffled flowers on tall, strong stems. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Purple Glory. Very deep rich velvety maroon, with almost black blotches. A very striking mammoth variety on tall, sturdy stems. 20 cts. each; \$2 per doz.; \$15 per 100.

Richard Diener. Immense, ruffled blossoms of geranium-pink, with creamy yellow center, flaked carmine. 20 cts. each; \$2 per doz.; \$15 per 100.

Rose Glory. Purest rose-pink, with deeper shading in the throat. The flowers are splendidly ruffled on strong spikes. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Twilight. Creamy buff, edges of petals flaked pink; throat primrose-yellow and pink. Splendid ruffled variety. 20 cts. each; \$2 per doz.; \$15 per 100.



Annie Laurie



Giant Nymph

The grace and charm of the Ruffled Gladiolus varieties are truly appealing.



Marie Kunder

Forbes Gladiolus Bulbs

For charm and color, few other flowers compare with Gladiolus. They can be grown with very little effort as they thrive in ordinary garden soil. The tall green stems, fairly bursting with brilliant color, provide a luxuriance of rainbow beauty. For cut-flowers, Gladiolus are unexcelled. Mass them together in solid beds, plant them in borders, and among shrubbery. With successive planting from April through June, they will bloom from July until frost. Plant bulbs 4 inches deep and 4 inches apart, cultivating frequently and watering freely.



Jack London

Primulinus Hybrids

The characteristics of these are extreme gracefulness and profuseness of bloom, together with a most enchanting array of rich and artistic colors.

Alice Tiplady. Tall, straight spikes of brilliant orange-salmon, golden-throated flowers. Fine for exhibition.

Maiden's Blush. A fine early beautiful shell-pink variety.

Ming Toy. Showy deep buff with yellow throat. Large flowers on strong stems.

Souvenir. This is the best pure yellow variety.

Any of the above, 10 cts. each;
\$1 per doz.; \$7.50 per 100

TRY THIS BOOK

"Gladiolus"

By F. F. Rockwell

How to plant, breed, harvest, and store gladiolus; judge, arrange, and how to keep them healthy. 96 pp. \$1.

The Cream of the Gladiolus Varieties

Anna Eberius. Deep rhodamine-purple with dark Bordeaux center, the whole a warm velvety color; large flowers on strong stem. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Baron Hulot. Medium-sized flowers of deep indigo-blue. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Blue Jay. Bright blue, slight yellow throat reflex, white spots on lower petals. 20 cts. each; \$2 per doz.; \$15 per 100.

Byron L. Smith. Delicate lavender, deepest at the edges of the petals and shading toward white in the center, suggesting an orchid. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Captain Boynton. Beautiful lavender, with deeper blotch on the lower petals. Large flowers on tall stems. 20 cts. each; \$2 per doz.; \$15 per 100.

Carmen Sylva. Large, snow-white flowers on perfectly straight, tall stems. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Chateau Thierry. Pleasing orange-cerise, with blotch of yellow, bordered with red on the lower petals. Tall spikes. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Crimson Glow. Glowing velvety crimson, shaded deeper in the center. Tall, strong grower with well-placed flowers. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Early Sunrise. Deep orange-salmon, with yellowish blotch on lower petals. 15 cts. each; \$1.50 per doz.; \$10 per 100.

E. J. Shaylor. A very popular deep rose-pink with ruffled edges. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Elf. Lemon-yellow when in bud, opens up pure white with pale yellow lower petal; large flowers and perfectly built spike. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Empress of India. One of the darkest—a rich dark purplish maroon. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Glendale. Velvety dark American Beauty red, with flowers well placed on a long, strong stem. Keeps exceptionally well after being cut. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Gold. Large, clear golden yellow self-color. Considered the purest gold. 20 cts. each; \$1.75 per doz.; \$12 per 100.

Golden Measure. Pure golden yellow, with very large flowers of good substance. 20 cts. each; \$2 per doz.; \$15 per 100.

Gretchen Zang. Soft pink, edged geranium-pink with bright scarlet blotches on the lower petals. Plant it late as it sunburns slightly. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Halley. Delicate salmon-pink, with creamy throat-blotch. Very early. 10 cts. each; 75 cts. per doz.; \$5 per 100.

Herada. Immense, glistening mauve blooms, deeper markings on throat. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Jack London. Light salmon, with vermilion stripes and canary-yellow throat. Perfectly placed flowers on strong stems. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Le Marechal Foch. Large flowers of beautiful soft pink on strong stems. 10 cts. each; 75 cts. per doz.; \$5 per 100.

Louise. Very refined combination of orchid-lavender with deeper blotch in throat. Wide-open flowers on a strong stem. 15 cts. each; \$1.25 per doz.; \$8 per 100.

Lustre. Orange-vermilion, suffused crimson; large, wide-open flowers. 20 cts. each; \$1.75 per doz.; \$12 per 100.

Mary Pickford. Lovely cream-white, with soft sulphur-yellow throat. A charming variety. 15 cts. each; \$1.25 per doz.; \$8 per 100.

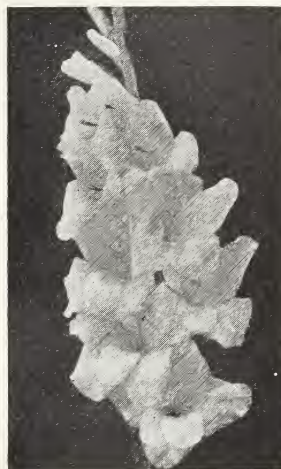
Miss Madison. Purest deep pink, self-color; very large, wide-open flowers, many open at a time. Strong, long stems. 25 cts. each; \$2.50 per doz.; \$20 per 100.

Forbes Gladiolus Bulbs

- Mona Lisa.** Pure self-colored pale rose-pink, almost blush-white. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Mrs. Dr. Norton.** Silvery white base, tinged with pink, which deepens toward the edges; creamy blotches in throat on lower petals. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Mrs. Francis King.** Flame-red, shaded salmon toward throat. Very tall. 10 cts. each; 75 cts. per doz.; \$5 per 100.
- Mrs. Frank Pendleton.** Lovely flushed salmon-pink with brilliant carmine blotches in throat. 10 cts. each; 75 cts. per doz.; \$5 per 100.
- Mrs. Fred C. Peters.** Fine lilac-pink, with purplish blotch in throat. Many large flowers open at a time on long, erect stems. 15 cts. each; \$1.50 per doz.; \$10 per 100.
- Mrs. Leon Douglas.** Begonia-rose, striped with flame-scarlet, lower petal pale lemon, speckled ruby. Tremendously large flowers, many open at a time. Very tall, strong stem with several side-shoots, the whole forming a gigantic bouquet. 20 cts. each; \$2 per doz.; \$15 per 100.
- Muriel.** Beautiful pure lilac-blue, with deeper blotch in throat on lower petals. Many perfectly placed flowers open at a time on tall, erect stems. A rare beauty. 20 cts. each; \$2 per doz.; \$15 per 100.
- Niagara.** Primrose-yellow, splashed and striped with bright pink. Large flowers on strong spikes. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- 1910 Rose.** A good deep pink with a fine white stripe on lower petal. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Peace.** Large; pure white, feathered with pale lilac. 10 cts. each; 75 cts. per doz.; \$5 per 100.
- Persia.** A very striking mammoth variety, with deep mahogany-red, almost black, flowers of large size. 20 cts. each; \$2 per doz.; \$15 per 100.
- Pink Perfection.** A warm pink self color, with curving stems. Excellent for vases. 15 cts. each; \$1.50 per doz.; \$10 per 100.
- Pink Wonder.** La France-pink, shading to pale pink in the throat, with yellow reflex at the base of the lower petals; immense blooms. 15 cts. each; \$1.50 per doz.; \$10 per 100.
- Prince of Wales.** Delicate salmon-pink, lighter toward the center; well-shaped flowers on long stems. The earliest to bloom. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Schwaben.** Light yellow with little red stripes on lower petals. Strong grower with large flowers and sturdy stems. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Venus.** Creamy white, suffused with flesh-pink and with yellow reflex on lower petals. Very delicate and a splendid early cut-flower. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Virginia.** Large, massive, flaming scarlet flowers, many open at a time, making a gorgeous display of dazzling red. Good forcer. 15 cts. each; \$1.25 per doz.; \$8 per 100.
- Wilbrinck.** Flesh-pink, with yellowish blotch on lower petals. Large, well-placed flowers on tall, strong stems. Blooms very early. 15 cts. each; \$1.25 per doz.; \$8 per 100.



Mrs. Fred C. Peters



Prince of Wales

Forbes Rainbow Gladiolus Mixture

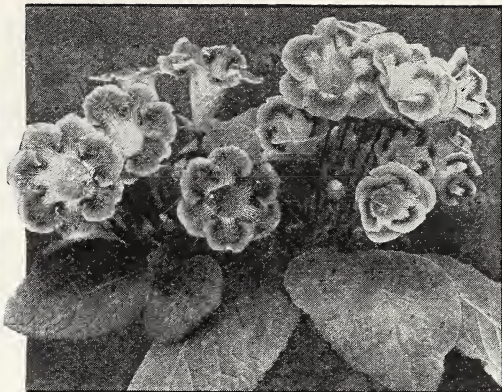
We make this with bulbs of ten different shades of color

Plan now for a rainbow display of Gladiolus in this year's garden. These wonderful summer flowers, with their wide color range, will brighten your borders from July until frost. Easily grown and thrive in any garden soil. Forbes famous Rainbow Gladiolus Mixture is especially prepared from largest-sized bulbs of ten distinct named varieties of ten different shades of color. This is far superior to ordinary commercial bulb mixtures of unknown color balance. Each 50 bulbs consists of 5 bulbs of each shade, assuring evenly distributed colors.

50 cts. for 10 bulbs; \$2 for 50; \$3.50 per 100; \$33 per 1,000



Lily-of-the-Valley



Gloxinias

Gloxinias

Gloxinias make excellent house plants and succeed well in a sunny window in the spring months. They may be started in February in a shallow box about 2 inches deep, the bottom of which has been covered with about 1 inch of sphagnum moss. Spread the bulbs out on the moss, about $\frac{1}{2}$ inch apart, and cover them with more moss to the depth of about $\frac{1}{2}$ inch. Keep the bulbs in a temperature of about 68 degrees. In about two weeks both tops and roots will have made a start. The bulbs should then be potted into 4-inch pots in ordinary good garden soil. They will flower profusely during May and June. Be careful to keep water off the foliage and to shade the plants from direct sunlight as the season advances. Select **Mixed**. 40 cts. each; \$4 per doz.; \$30 per 100.

Hyacinthus candicans

A luxuriant-growing, summer-flowering plant, spreading 2 to 3 feet, throwing spikes 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers, splendid for groups. If planted in the center of beds of scarlet gladiolus, the effect is magnificent. 15 cts. each; \$1.50 per doz.; \$12 per 100.

Lily-of-the-Valley For Outdoor Planting

This beautiful plant succeeds best in an out-of-the-way place in the garden, particularly in the shade. If the bed is given a liberal top dressing of well-decayed manure in the fall or early spring, it will show the effect by increased size, number, and vigor of the flowers. We offer clumps especially suited for outdoor planting. They should be set 1 foot apart so as to allow the plant ample space to spread. **Strong clumps**, 60 cts. each; \$6 per doz.; \$45 per 100.

Lily-of-the-Valley For Indoor Forcing

Nature has most generously bestowed her favor upon Lilies-of-the-Valley. They are most appreciated and delightful when brought indoors or used for personal adornment. The ease with which they bloom in the ordinary living-room brings their charm directly into the home circle where they are even more keenly enjoyed than when grown outdoors.

Plan to brighten your home with Lilies-of-the-Valley. The plump, vigorous roots, which we keep in cold storage until you want them, respond in an amazingly short time to warmth and moisture. In the short space of three weeks from planting, all the delightfulness of their beauty and fragrance can be yours.

Imported German Cold-storage Lily-of-the-Valley pips are delivered to you for \$1.25 per doz.; \$2.25 for 25; \$8 per 100. Full cultural directions with each shipment.



Hyacinthus candicans

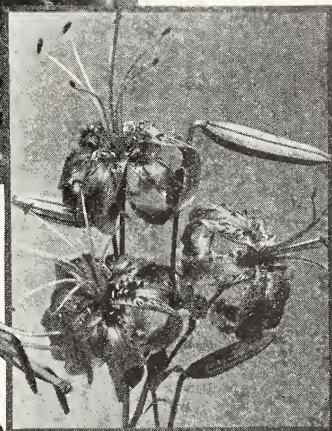
Lilium
Auratum



Lilium Regale



Lilium Speciosum



Lilium Henryi

Hardy Outdoor Lilies for Spring Planting

These Lilies with their wonderful beauty and fragrance, are hardy, thrifty flowers. They like partial shade and appear best when planted in groups against a background of shrubbery. They thrive in well-drained soil in borders and in formal gardens, and bloom in midsummer when fine flowers are scarce.

We show the height of growth, the season of bloom, the depth of planting from soil surface to bottom of bulb, and the circumference in inches of the bulbs we can supply.

Auratum (Gold-banded Lily of Japan). Fragrant white flowers dotted dark brown and maroon, each petal centered with yellow. 4 to 6 ft. July, August. (10 in.) 9 to 11-in. bulbs, 55 cts. each; \$5.50 per doz.; \$40 per 100.

Auratum pictum. Like the Auratum, this has pure white flowers with the usual yellow band and crimson spots with the addition of crimson tips to the petals. The flowers are quite large. 4 ft. July, August. (9 in.) 8 to 9-in. bulbs, \$1 each; \$10 per doz.; \$75 per 100.

Auratum platyphyllum (macranthum). The broad, overlapping white petals are gold-banded, but the spots vary from brown to yellow. Vigorous. 4 to 5 ft. July, August. (10 in.) 9 to 11-in. bulbs, 75 cts. each; \$7.50 per doz.; \$58 per 100.

Batemanniae. A beautiful apricot variety, most adaptable to any garden and of easy cultivation. 3 ft. July, August. (6 in.) 6 to 8-in. bulbs, 40 cts. each; \$4 per doz.; \$30 per 100.

Croceum (The Orange Lily). A showy, vigorous Lily with beautiful orange, upright blooms in umbels. 3 ft. June, July. (5 in.) 6 to 8-in. bulbs, 45 cts. each; \$4.50 per doz.; \$35 per 100.

Dauricum. The rich orange flowers, flushed red and spotted black, are borne erect in umbels of three to five. Best planted in close groups. 2 to 3 ft. June, July. (5 in.) 3 to 4-in. bulbs, 30 cts. each; \$3 per doz.; \$20 per 100.

Hansonii. Deep rich orange-yellow flowers spotted brown. Best planted in partial shade. 4 to 5 ft. June. (8 in.) 8 to 9-in. bulbs, 75 cts. each; \$7.50 per doz.; \$58 per 100.

Henryi (The Orange Speciosum). Very beautiful, rich orange flowers, with green bands through the petals and brown spots. Best if protected against winds in partial shade. 5 to 8 ft. July, August. (10 in.) 8 to 9-in. bulbs, 75 cts. each; \$7.50 per doz.; \$58 per 100.

Continued on next page



Tritoma Pfitzeri

Hardy Outdoor Lilies for Spring

Regale (The Royal Lily). Foliage crowned with funnel-shaped white blooms, shaded pink and streaked brown on the outside; flushed yellow on the inside. 5 to 7 ft. July. (8 in.) 6 to 8-in. bulbs, 75 cts. each; \$7.50 per doz.; \$58 per 100.

Speciosum album. Graceful, pure white flowers with green at the base of each petal. 3 to 4 ft. August to September. (8 in.) 8 to 9-in. bulbs, 60 cts. each; \$6 per doz.; \$45 per 100.

Speciosum rubrum magnificum. An extremely beautiful variety with recurved flowers colored rich carmine on a white ground with crimson spots. 4 to 5 ft. August, September. (10 in.) 9 to 11-in. bulbs, 55 cts. each; \$5.50 per doz.; \$45 per 100.

Tigrinum splendens (The Tiger Lily). Reflexed orange-red flowers, spotted purple. 4 to 5 ft. August, September. (9 in.) 7 to 9-in. bulbs, 30 cts. each; \$3 per doz.; \$20 per 100.

Tigrinum flore-pleno (Double Tiger Lily). Similar color to above but double in form. 4 to 5 ft. August, September. (9 in.) 5 to 7-in. bulbs, 35 cts. each; \$3.50 per doz.; \$25 per 100.

LILY CULTURE. Spade the ground to a depth of 18 inches before planting and enrich it with bone-meal. Plant at the depth shown for each variety, with ample sand around and beneath each bulb to provide proper drainage. Cover the bed with 8 inches of leaves or litter through the winter and remove in late spring. For indoor potting use a mixture of leaf-mold, loam, and sand, with one handful of charcoal to each pot. Place the bulb half-way down in the pot and just cover with soil. After the stem-roots appear above the bulb, gradually fill pot with soil to full level. After potting, water very thoroughly and place outside in a coldframe, or bury pots in a shady place and cover with ashes or straw. After a month bring inside to 65° in partial light until 6 inches high, then expose to full light.

Madeira Vine

A beautiful and popular vine, covering a large space in a short time. Fleshy heart-shaped leaves of a light green, and numerous racemes of feathery fragrant flowers. Protect with litter in winter. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Montbretias

The Montbretia is one of the brightest of our summer-flowering bulbs, and deserves to be planted extensively. The bulbs should be set out during April or May, 3 to 6 inches apart, 4 inches deep, in clumps of a dozen or more. They should be protected during the winter with leaves.

Mixed Hybrids. Containing a fine assortment of yellow, orange, and scarlet shades. 15 cts. each; \$1.50 per doz., \$10 per 100.

Tritoma Pfitzeri

The greatest bedding plant ever introduced, surpassing the finest cannas for attractiveness and brilliancy, equal to gladiolus as a cut-flower, and blooms incessantly from June until December, regardless of frost. Plants are perfectly hardy in the open ground in the south but, in this latitude, they must be protected or wintered in a cellar like the ordinary Tritoma, burying the roots in sand. If planted out again early in the spring, they will commence growth at once and bloom early. 40 cts. each; \$3.50 per doz.; \$25 per 100.

Tuberoses

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about May 15, after the ground becomes warm.

Excelsior, Double Pearl. Large-flowering bulbs producing spikes 2½ to 3 feet high, with large, very double flowers. Mammoth bulbs, 20 cts. each; \$1.75 per doz.; \$15 per 100.



Montbretias

Forbes Plants of Hardy Perennial Flowers

These beautiful flowering plants, when once established, will make an enjoyable garden display year after year, from early spring until late fall. Proper selection and arrangement will produce splendid effects of color. Do you know the June charm of the pale blue larkspur (*Delphinium belladonna*) with the salmon-pink of the Mrs. Perry Oriental poppy against a cloud of grey-white Baby's Breath? Or the contrast of blue, lavender, violet, and gold to be had in the autumn from combining Michaelmas daisies with tall sneezeworts? All these and many others are here for your selection. The true perennials themselves may be augmented by spring, summer, and fall bulbs or with tuberous-rooted plants such as Peonies and Irises shown elsewhere in this catalogue. *Iris pallida dalmatica* and *Paeonia edulis superba* make a fine contrast of color and fragrance.

The plants we offer below are the largest size, 1-year-old, field-grown, transplanted stock and have been hardened off by a winter's exposure in the field. Each is wrapped individually in its own root-soil.

We cannot accept orders for less than three plants of any one variety.

Prices, except where noted, 90 cts. for 3, \$2.50 per doz., \$18 per 100

ACHILLEA Ptarmica, The Pearl. The pure white, round, double florets are borne in profusion on strong, erect stems. Good cut-flower variety. Ht. 2 ft. June to September.

ALYSSUM saxatile compactum (Rock Madwort). Large, compact masses of yellow flowers in early spring. Excellent for rockery. Glaucous foliage. Ht. 1 ft. April, May.

ANCHUSA italica, Dropmore (Alkanet). A great improvement on the type, with large, gentian-blue, forget-me-not-like flowers. If not allowed to seed, will bloom from June to September. Ht. 5 ft.

ANTHEMIS tinctoria Kelwayi (Golden Marguerite). Daisy-like flowers of pale yellow; fine for cutting. A very popular sort and largely planted. Ht. 2 ft. June to October.

ARABIS alpina (Rock Cress). Adapted for rock-gardens and borders. Pure white carpets of bloom. Ht. 5 in. April, May.

ARTEMISIA Abrotanum (Southernwood; Old Man). Green, glabrous, sweetly scented foliage; yellowish white flowers. Used quite largely in mixed bouquets because of its fragrance. Ht. 2 to 3 ft. August, September.



Achillea Ptarmica, The Pearl





Border planting of *Campanula Medium*

Michaelmas Daisies are splendid for permanent positions in the perennial flower border. They form large bushes covered with clusters of large single flowers during late summer and fall. They make beautiful masses of bright color in shades of blue, violet, rose and pink, and bring much charm to your autumn garden.



Aster Novæ-angliæ

Hardy Perennial Plants

We cannot accept orders for less than 3 plants of any one variety. Prices, except where noted, 90 cts. for 3; \$2.50 per doz.; \$18 per 100

AQUILEGIA (Columbine). Showy perennials, with delicate colored flowers. Excellent plants for the border, rocky, and for cut-flowers. Ht. 2 to 3 ft. May, June.

Chrysanth (Golden-spurred Columbine). Numerous, fragrant, yellow flowers 2 to 3 inches across, in May and June above a clump of fine-cut foliage. A fine variety.

Long-spurred Hybrids, Mrs. Scott Elliott's Strain. This is a magnificent strain in many new and beautiful shades. Assorted colors only. Ht. 3 ft. Blooms in May and June.

ASTER (Michaelmas Daisy; Starwort). Unrivalled for their bright colors during the autumn months. Fine for cutting and decorative purposes. Very easy to cultivate and should be placed in the back of the border. Divide every year or two into small clumps for best results.

Barr's Pink (Novæ-angliæ). Large rose flowers with yellow centers. Ht. 4 to 5 ft. September, October. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

Blue Gem (Novi-Belgi). Semi-double; dark blue. Ht. 5 ft. September, October. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

Climax. Plants branching, covered in fall with lovely lavender-blue flowers, 1 to 2 inches in diameter. One of the best. Ht. 4 to 5 ft. August to October.

Perry's White (Novi-Belgi). Fine single white, shaded lilac. Ht. 4 ft. August to October.

Ryecroft Purple (Novæ-angliæ). An improved form of our native deep violet fringe-petaled Starwort. Foliage fuzzy. Ht. 4 to 5 ft. September, October.

Ypres (Novi-Belgi). Rosy red flowers; neat, compact bushes. Ht. 3½ ft. September, October.

CAMPANULA (Bellflower). These biennials combine a large range of habit and color, and are perfectly hardy.

Carpatica (Carpathian Bellflower). Flowers large, erect, light blue. Grows in compact tufts not exceeding 8 inches in height. Fine as edging for a hardy border and unsurpassed for the rocky. July, August.

Medium (Canterbury Bells). An old favorite in blue, rose and white. Ht. 2 ft. June.

Medium calycanthema (Cup-and-Saucer Canterbury Bells). In blue, lilac, rose, and white, mixed. Ht. 2 ft. June.

Persicifolia (Peach-leaved Bellflower). Large, cup-shaped, blue flowers. Ht. 2 ft. June, July.

The Little Book of Perennials by A. C. Hottes will help you with the design and upkeep of your flower beds. \$1.50

Hardy Chrysanthemums

When planted in sheltered locations, particularly at the base of walls, buildings, or shrubbery, the Hardy Chrysanthemums are wonderfully satisfactory, producing an effective display long after the ordinary garden flowers are destroyed by frost. Even after light falls of snow, it is sometimes possible to cut uninjured clusters.

Chrysanthemums are divided into four groups: Large-flowered, Aster-flowered, Button, and Single sorts. The varieties described below have been selected from an immense list, comprising a wide range of forms and colors. Plant them from April 15 to May 15, and protect in winter with a litter of leaves and straw. If bushes of medium height are desired, pinch the tops back when plants are about 10 inches high.

We cannot accept orders for less than 3 plants of any one variety.

Prices of Chrysanthemums, \$1 for 3; \$3 per doz.; \$20 per 100

Button Varieties

These crisply petaled old-fashioned sorts lighten bouquets of the other kinds, and make neat boutonnières.

Clara Jameson. A fine bushy plant with rich bronze flowers produced in great numbers about October 15.

Doris. Well-formed flowers of medium size in rich red with bronze tones about October 20.

Irene. Dainty pure white flowers with yellow centers on strong bushes about October 15.

Globe d'Or. A fine yellow button sort with full yellow flowers in abundance early in October.

Large-flowered Varieties

These are the larger garden sorts and vary in texture from the neat, quilled type to the shaggy-petaled variety.

Angelo. Large, fluffy flowers of a beautiful light pink color. These are at their best about October 10.

Cranfordia. A high, bushy sort with large golden yellow flowers maturing about October 20.

L'Argenteuilais. Large, distinctive red flowers, the ends of the petals being tipped with yellow. These make a fine display about October 15.

Oconto. Medium bushy plant with very large, pure white flowers about October 15. A fine variety.

Tints of Gold. Bronze-yellow flowers suffused with red, the center petals tinted yellow. Bloom about October 10.

Aster-flowered Varieties

Round-headed flowers, mostly double, and somewhat larger than the Button class.

Captain Cook. Dark rose-pink flowers with brownish centers, produced on quite high bushy plants about October 30.

Golden Climax. Finely formed warm golden flowers on bushy plants about October 25.

Pink Doty. A very nice variety with light pink, globular flowers about October 25.

White Doty. These fine pure white flowers deepen to cream in the center and appear about October 20.

Single Varieties

Single, daisy-like forms that are preferred by many people.

Alice Howell. A beautiful shade of warm orange-yellow. The single flowers bloom in profusion about October 20.

Bronze Buckingham. The graceful flowers are an attractive coppery bronze and appear about October 30.

Mrs. W. E. Buckingham. Medium bushy plants with unusual beautiful salmon-pink flowers about November 5.

CHRYSANTHEMUM maximum (Shasta Daisy). Large white flowers; blooms profusely all summer. 90 cts. for 3; \$2.50 per doz.; \$18 per 100.

COREOPSIS lanceolata grandiflora (Tickseed). A mass of golden yellow flowers from June until frost. Borne on long, graceful stems, they are invaluable for cutting. Ht. 2 ft. June to October. 90 cts. for 3; \$2.50 per doz.; \$18 per 100.



Large-flowered Chrysanthemums



Aster-flowered Chrysanthemums

Hollyhock-Flowered and Wrexham Delphiniums

Endowed with flowers of superb size, exquisitely proportioned, on spikes like tapered spires, these gorgeous plants, growing in your garden, will create a symphony of color and form. They neither clash nor vie for honors. As friends of all the garden, they blend the spotty brilliance of its diverse members and bring it into lovely harmony.

Blue Queen. Good 4-foot azure-blue spike, blackish brown center. \$2 each; \$20 per doz.

Countess Cowley. Light blue and mauve semi-double flowers with black eyes. Magnificent 5-foot spikes. \$4 each; \$40 per doz.

Edward Bromet. Rich purplish blue ground with very large white eye. Individual flowers are of enormous size and well set on 5-foot spikes. \$3 each; \$30 per doz.

Glory. Beautiful mauve, shaded rose, with white eye. Stout, sturdy plant 4 feet high. \$2 each; \$20 per doz.

Great Strides. Delicate pale blue, shaded pinkish mauve, with prominent white eye. 5 feet. \$4 each; \$40 per doz.

Happy Thought. Medium blue, shaded pansy-violet. Stately 5-foot plants. \$4 ea.; \$40 per doz.

Mrs. Shirley. Beautiful lilac-mauve flowers with white and sulphur eye. 5 to 6 ft. \$3 each; \$30 per doz.

R. A. Pilkington. Large, semi-double flowers of rich violet edged dark blue with brown eye. Well-formed 5-foot spike. \$4 each; \$40 per doz.

The Bishop. Rich dark blue flowers with distinctive white eye on long, spiral-shaped spikes 6 feet high. An outstanding variety. \$4 each; \$40 per doz.

The Shah. Large, semi-double flowers of deep rosy lavender with a dark eye, borne on very long, finely proportioned spikes 5 feet high. \$4 each; \$40 per doz.

COLLECTION OFFER: One plant each of the above ten named Delphiniums, \$30

Wrexham Mixture. A fine range of colors and forms for mass plantings, selected from representative English types only. \$1.50 each; \$15 per doz.; \$100 per 100.

These plants are grown for us on a high mountainside at an altitude of 1,500 feet. Harsh winters make them hardy and vigorous. The skill of the specialist, favored by ideal soil conditions, enables us to offer large, field-grown clumps of amazing quality. Plants, balled and burlapped, are dispatched within a few hours after they are dug. Naturally, they arrive in perfect condition. Our integrity is behind each plant. We urge you to use them liberally.

Hardy Perennial Plants

We cannot accept orders for less than 3 plants of any one variety. Prices, except where noted, 90 cts. for 3; \$2.50 per doz.; \$18 per 100

DELPHINIUM, Belladonna Improved (Larkspur). The freest and most continuous bloomer. The clear turquoise-blue of its blooms is not equalled for delicacy and beauty.

Gold Medal Hybrids. Choice color range from palest to deepest blue. This is a very fine strain. Ht. 3 ft. June to October. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

DIANTHUS plumarius semperflorens (Scotch Pinks). These interesting and useful, old-time favorites are fine for cut-flowers and grow 10 to 12 inches high. May, June.

DICENTRA spectabilis (Bleeding-Heart). Jewel-like heart-shaped flowers in long, drooping racemes of rose-crimson. Foliage a round bush of cut leaves. Ht. 1½ ft. April to June. 75 cts. each; \$7.50 per doz.; \$55 per 100.

DIGITALIS (Foxglove). These old garden biennials are stately and elegant in early summer when they produce low rosettes of leaves and tall flower-spikes.

Giant Shirley. This is a magnificent strain, attaining a height of from 5 to 7 feet, with spikes of bloom 4 feet in length. The flowers range from white to deepest rose, spotted with crimson-maroon and chocolate. June, July.

Purpurea gloxiniaeflora, Mixed. Flowers spotted, ranging from rose, purple, white to yellow. Ht. 2 to 3 ft. June, July. See the Foxglove planting illustrated below.

EUPATORIUM coelestinum (Mist Flower). Light blue flowers, similar to ageratum. Ht. 2 ft. August to October.

Fraseri (aromaticum melissoides). Stout, leafy stems with flat heads of white flowers. Ht. 4 ft. July to September.

GAILLARDIA grandiflora (Blanket Flower). This valuable perennial plant is a vigorous grower, reaching 2½ to 3 feet. The flowers are brilliant yellow and orange-red, and are unusually fine for cutting.

GEUM, Lady Stratheden (Avens). The large, double, rich golden flowers bloom the greater part of summer and fall. Fine for rock-gardens. Ht. 2 ft. June to September.

Mrs. J. Bradshaw. Striking, double, dark red flowers, the greater part of summer and fall. Ht. 2 ft. June to Sept.

GYPSOPHILA paniculata (Baby's Breath). Masses of minute, pure white flowers. For cutting it is exquisite in combination with high-colored flowers. Ht. 3 ft. June, July.

HELENIUM autumnale superbum (Sneezeweed). Large, flat, lemon-yellow coned flowers. August, September.

Autumnale rubrum. A new bright red and terra-cotta variety. Ht. 5 ft. August, September.

Autumnale, Riverton Beauty. Rich lemon-yellow, with large purplish black cone. Ht. 5 ft. August, September.

Autumnale, Riverton Gem. Yellow, changing to red. A splendid cut-flower. Ht. 5 ft. August, September.

Any of the Heleniums, \$1 for 3; \$3.50 per doz.; \$25 per 100.

HOLLYHOCK, Double (*Albæa rosea*). Carmine-Rose, Crimson, Light Yellow, and White. Ht. 5 to 6 ft. July, August.



Dicentra spectabilis

If potted in November, plunged outdoors till new roots form and then given gentle heat, Bleeding-Heart will bloom indoors in March.



Helenium autumnale



Foxgloves in the Perennial border

Beautiful Iris

The Iris delights in a sunny, well-drained situation. All are delightfully fragrant, large and handsome, more or less beautifully mottled in the standard petals and veined in the fall petals while the beards range from delicate primrose to orange. Their beauty rivals that of the orchid. Those who have not used Iris for surrounding lakes and ponds, or cultivated them in flower borders, shrubberies, and woodland walks, should do so.

Iris are most effective if planted three to a clump in dry, sunny locations and watered sparingly. The soil should just cover the rhizome and be well firmed. A small application of ground limestone and bone-meal once a year is beneficial. Iris may be transplanted any time the ground is not frozen. S. refers to the three upright curling petals; F. to drooping petals. The German and Japanese Iris are strong, field-grown roots.



German Iris



Japanese Iris

German Iris

Alcazar. S. a very light bluish violet; F. rich velvety crimson-purple. Strong flower-stalks. 50 cts. each; \$5.25 per doz.

Celeste. Fine satiny blue. One of the most beautiful hardy Irises of the older type. 30 cts. each; \$3 per doz.

Eldorado. S. bronze, shading to yellow; F. violet-purple. 30 cts. each; \$3 per doz.

Florentina Alba. Large, pure white flowers with just a trace of pale blue; fragrant. 30 cts. each; \$3 per doz.

Isoline. S. lilac-pink; F. purplish old-rose, with golden throat and yellow beard. 50 cts. each; \$5.25 per doz.

Jeanne d'Arc. Flowers large; petals broad, clear lilac. S. ruffled and spreading like Japanese Iris; F. pure white, bordered lilac. 3 ft. 50 cts. each; \$5.25 per doz.

Lohengrin. Large, handsome, pink or silvery mauve flowers. 30 cts. each; \$3 per doz.

Mary Garden. S. pale yellow, flushed with lavender; F. creamy white, veined maroon. 30 cts. each; \$3 per doz.

Monsignor. S. bluish lavender; F. violet with white pencilings at throat. Immense flowers. 30 cts. each; \$3 per doz.

Mother of Pearl. Large, perfectly formed flowers of pale bluish lavender with creamy undertone. \$1 each, \$10 per doz.

Pallida Dalmatica. Hardy, strong grower and very free flowering. Exquisite lavender-blue. 30 cts. each; \$3 per doz.

Princess Victoria Louise. S. a soft sulphur-yellow; F. plum color, bordered cream. 30 cts. each; \$3 per doz.

Quaker Lady. S. smoky lavender, shaded with yellow; F. ageratum-blue and gold. A very strong grower, odd and attractive. 45 cts. each; \$4.50 per doz.

Queen of May. S. lilac-pink; F. lilac and blended white. 30 cts. each; \$3 per doz.

Tamerlane. S. pale violet; F. deep purple. Magnificent. 30 cts. each; \$3 per doz.

Japanese Iris

Japanese Iris are most excellent for naturalizing or formal planting. The silky blooms on long stems are exceptionally beautiful in the morning, when the sunlight strikes the dew that is held by the flowers. They are particularly adapted to damp and soggy spots that will grow nothing else. The varieties listed below are in strong, 2-year-old divisions.

Amethyst. Single. Large, wavy petals of exquisite lavender. \$1 each; \$10 per doz.

Bluebird. Single. Deep velvety blue. A most desirable variety. \$1 each; \$10 per doz.

Gold Bound. Double. A pure white variety of enormous size. 65 cts. each; \$6.50 per doz.

Helen Wells. Single. Amethyst-violet, inner petals phlox-purple. \$1 each; \$10 per doz.

Mt. Hood. Double. Light blue, shading to deep velvety blue, bright orange center. 50 cts. each; \$5 per doz.

Pyramid. Double. Violet-purple, veined white; large flower. 50 cts. each; \$5 per doz.

Violet Ray. Semi-double. White and violet, nicely shaded. \$1.35 each; \$13.50 per doz.

Japanese Iris in Mixture. A mixture of choice seedlings. \$1.75 per doz.; \$13.50 per 100.

Hardy Perennial Plants

We cannot accept orders for less than 3 plants of any one variety. Prices, except where noted, 90 cts. for 3; \$2.50 per doz.; \$18 per 100

LYCHNIS chalconica (Maltese Cross). Flowers bright scarlet, in dense clusters. An old-fashioned brilliant hardy border plant. Ht. 2 ft. June, July.

MYOSOTIS palustris semperflorens (Forget-me-not). A variety that is hardly ever out of flower. Useful in a shady spot in the border. Ht. 8 in. May, June.

PAPAVER nudicaule (Iceland Poppy). Beautiful hardy Poppies, bearing cup-shaped flowers of pure white, yellow and orange-scarlet, on long stems above a rosette of fine-cut leaves. Ht. 1 ft. May to August.

Oriental, Mrs. Perry. Orange-apricot. Ht. 2 to 3 ft. June, July. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

PENTSTEMON barbatus Torreyi (Beard Tongue). Tall spikes of brilliant scarlet flowers. A charming and effective border plant. Ht. 4 ft. June to August.

PHYSOSTEGIA virginiana (False Dragonhead). Strong spikes of delicate pink flowers. At home in moist ground. Ht. 2 to 3 ft. June, July.

PLATYCODON. Free-flowering, blooming practically all summer. The balloon-shaped buds open into star-shaped flowers.

Grandiflorum (Balloon Flower). An old-time favorite, forming a dense branching plant of upright habit. Flowers 3 inches across, blue or white. Ht. 1 to 2 ft. June, July.

PYRETHRUM roseum (*Chrysanthemum coccineum*; Painted Daisy). Daisy-like blooms of deep red, various shades of rose and pure white. Ht. 2½ ft. May, June.

SCABIOSA caucasica (Pin-cushion Flower). Beautiful lilac flower-heads, borne above a clump of leaves. Ht. 2 ft. June to August. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

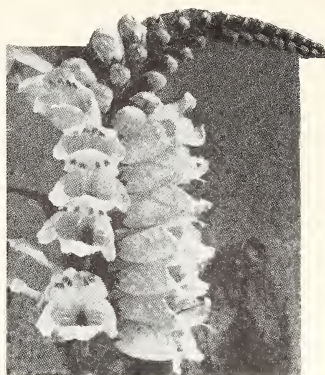
STOKESIA laevis cyanea (Cornflower Aster). Native plant with sky-blue flowers. Ht. 2 ft. July to October.

THALICTRUM aquilegifolium (Meadow Rue). Maidenhair foliage and masses of creamy white fluffy flowers. Ht. 1 to 3 ft. May to July. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

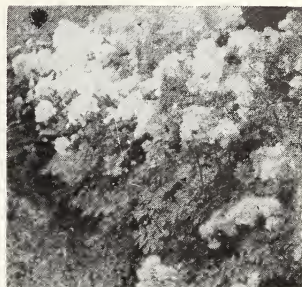
TRITOMA HYBRIDS (Red-hot Poker). Orange-scarlet, shading to salmon-rose at the edge; invaluable for cutting. Protect well in winter. Ht. 2 to 3 ft. August, September. \$1.20 for 3; \$3.50 per doz.; \$25 per 100.

VERONICA longifolia subsessilis (Speedwell). Tapering racemes of pure blue flowers. Loves a moist situation and blooms until late fall. Ht. 2 ft. August, September. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.

VIOLA, Jersey Gem (Tufted Pansy). Deep violet; large and fragrant. Likes sunny garden soil. Ht. 6 in. May to November if picked. \$1.25 for 3; \$3.50 per doz.; \$25 per 100.



Physostegia virginiana



Thalictrum aquilegifolium



Veronica subsessilis



A planting of *Platycodon grandiflorum*

Herbaceous Peonies

Supremely gorgeous and of life-long permanence, Peonies form the basis of every well-considered flower-garden. As individual clumps or in borders in front of shrubbery they are magnificent in flower and handsome in foliage throughout the season. They last a week or more when cut. Plant them not too deeply—2 inches of earth over the buds is sufficient. We offer 2-year-old clumps with 3 to 5 eyes.

Alexandre Dumas. Light violet-rose blooms of medium size, having a creamy white collar of narrow petals with white outer petals. Early midseason. 75 cts. each; \$7.50 per doz.

Baroness Schroeder. Rose type; late. White with shadings of flesh. This is one of the finest Peonies. Its large flowers are produced freely, and it has the exceptionally fine June rose fragrance. \$1.50 each; \$15 per doz.

Couronne d'Or. Semi-rose type; late. Large, flat; pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall. 75 cts. each; \$7.50 per doz.

Edulis Superba. Early. Large, loose flowers of bright mauve-pink, collar mixed with lilac; fragrant. 50 cts. each; \$5 per doz.

E. G. Hill. Semi-rose type; early midseason. Flowers are very large and double, borne in clusters. Rich Tyrian-red, edged silvery rose; fragrant. Free bloomer. \$2 each; \$20 per doz.

Felix Crousse. Rose type; late midseason. Globular flowers, solid and compact. Rich, even, brilliant, dazzling ruby-red. Fiery, bright and effective. 80 cts. each; \$8 per doz.

Festiva Maxima. One which should be in every garden. It is the beginning of all collections, the one variety that must not be omitted. Flowers white, dotted with carmine, 7 to 8 inches in diameter. 50 cts. each; \$5 per doz.

Grover Cleveland. Rose type; late. Rich, dark crimson. A strong grower conspicuous because of its rich color. \$2 each; \$20 per doz.

Livingstone. Rose type; very late. Very massive; light pink of the highest class. Vigorous; free bloomer. \$1 each; 10 per doz.

Louis Van Houtte. Semi-rose type; late. Medium size; deep carmine-rose, tipped silver, with a brilliant reflex. 75c. each; \$7.50 per doz.

Marguerite Gerard. Semi-rose type; late. Large and compact; very pale hydrangea-pink, fading to nearly white, center petals flecked dark carmine. \$1 each; \$10 per doz.

Marie Lemoine. Very late. Delicate ivory-white, massive blooms. \$1.25 each; \$12 per doz.

M. Jules Elie. Blooms of immense size, globular; glistening lilac-pink shading to deeper rose at the base, overlaid with a silver sheen. \$1.75 each; \$17 per doz.

Mme. de Verneville. Guard petals sulphur-white, center delicate flesh. Flowers very double and compact, imbricated, on long stems; very fragrant. \$1 each; \$10 per doz.

Mons. Dupont. Midseason. Very large; ivory-white, center petals splashed with carmine; fragrant. \$1 each; \$10 per doz.

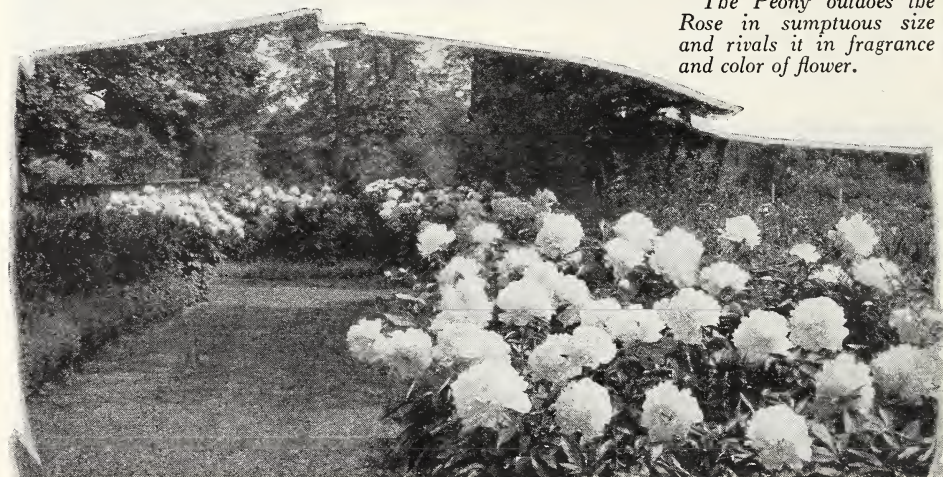
Mons. Krelage. Semi-rose type; late. Large, compact; dark solferino-red, with silver tips; slightly fragrant. Strong, upright; free bloomer. Very desirable. \$1.50 each; \$15 per doz.

Sarah Bernhardt. Plant of medium height, strong growing, and erect. The large round mauve-rose flowers of semi-rose type are very fragrant. \$2.25 each; \$22 per doz.

Solange. Compact; large, thick petals that closely overlap. The color is a deep cream tinged with amber throughout, with a touch of soft salmon-pink at center. An unusual variety. \$3.50 each; \$35 per doz.

Unnamed Peonies. We offer these in three colors—Double White, Double Pink, and also Double Red, at 60 cts. each; \$6 per doz.

The Peony outdoes the Rose in sumptuous size and rivals it in fragrance and color of flower.



A planting of Peonies affords both beautiful color and delightful fragrance

Hardy Phlox

Phloxes are among the very showiest and most valuable of all hardy plants. They deserve a prominent position in every garden of hardy flowers, since they thrive in most soils; however, a rich loam is most desirable. When this does not exist, the flower bed should be deeply spaded and manured previous to planting. By growing a complete collection of Phlox a continuity of bloom can be had from early June until late fall. Plant at least five of each variety to get the effective coloring of mass planting. Ht. 2 to 3 ft. We cannot accept orders for less than 3 plants of any variety.

Any of the following varieties, \$1 for 3; \$3 per doz.; \$20 per 100

B. Comte. Rich satiny reddish purple flowers.
Coquelicot. Brilliant orange-scarlet blooms.
Enchantress. Rich salmon-pink, dark eye.
General van Heutz. Salmon-red, white eye.
Hindenburg (Commander). Crimson, dark eye.
Homeland (Deutschland). Dark orange-red.

Jules Sandeau. Large; pure pink; dwarf habit.
Louise Abberna. Pure white; of dwarf habit.
Milly Von Hoboken. Soft pink without eye.
Mrs. Jenkins. Very early; pure white blooms.
Thor. Bright salmon-pink, with crimson eye.
Wanadis. Deep lilac, with purple eye.



This border of Hardy Phlox is backed by a wall covered with Ampelopsis Veitchii

Annual Flower Bedding Plants

These are used largely to replace spring-flowering bulb plantings and for the planting out of large flower-beds to avoid the delay which would be caused by raising plants from seed.

These are flat-grown plants, ready about May 1. There are approximately 80 plants in a flat of Asters and about four dozen in each flat of the other kinds.

	Doz.	Flat		Doz.	Flat
Aster, Forbes Branching, Mixed...	\$0 35	\$1 75	Marigold, Dwarf French, Mixed...	\$0 45	\$1 65
Calendula, Mixed.....	45	1 65	Salvia splendens.....	50	1 80
Cosmos, Early-flowering, Mixed...	45	1 65	Snapdragon, Super-Giant, Mixed...	45	1 65
Marigold, Tall African, Mixed.....	45	1 65	Zinnia, Dahlia-flowered, Mixed....	45	1 65

The following are pot-grown plants, out of 2¼-inch pots, except where noted

	Doz.	100		Doz.	100
Alyssum, Little Gem.....	\$1 50	\$12 00	Petunia, Bedding Vars., Mixed...	\$1 50	\$12 00
Aster, Forbes Branching, Mixed...	1 00	8 00	Petunia, Rosy Morn.....	1 50	12 00
Geranium, Double Rose-Pink,			Salvia splendens.....	1 50	12 00
Double Salmon-Pink, and Double			Snapdragon, Giant Mixed.....	1 50	12 00
Red. From 4-in. pots.....	5 00	40 00	Verbena, Large-flowered, Mixed...	1 50	12 00
Heliotrope, Lavender. 4-in. pots..	5 00	40 00	Zinnia, Double-flowered, Mixed...	1 50	12 00

Forbes Hardy Plants for Rock-Gardens

This list includes trailing plants that grow in chinks of steps and crevices of rocks as the Sandworts, or in holes in pudding-stone boulders as the *Sempervivums*; those that make glorious sheets of white, pink, or blue bloom, as the Dwarf Phloxes and Veronicas, and others that tuft or cushion loam pockets and ledges. Native Ferns are an addition to a rock-garden where partial shade exists. These alpine plants are best used in groups of six or more, so they will mass. Reference to our rock-garden books will help the planter to select the places and soils most suitable to plant them in. The plants we offer are unusual, of largest size, and over one year old. They have been hardened off by outside exposure and will succeed with normal care.

We cannot accept orders for less than three plants of one variety.



Arabis albidia



Armeria maritima



Aster alpinus

ÆTHIONEMA pulchellum (Persian Candytuft). A somewhat trailing sub-shrub, about 6 inches high, with deep rose flowers, in May, thriving in stony, sandy, limy soil and a sunny position. \$2 for 3; \$7 per doz.

ALYSIMUM argenteum (Silvery Madwort). Forms a compact, dwarf sage-green tufted plant, 15 inches high; with clusters of yellow flowers, from June to August. Likes well-drained soil and sunny exposure. \$1.25 for 3; \$4 per doz.

Serpyllifolium (Hairy Madwort). A very rare and dwarf plant, 4 inches high, with racemes of pale yellow flowers and a rosette of rough, hoary leaves. Likes sandy, rocky soil and sun. Blooms in spring. \$1.25 for 3; \$4 per doz.

ANEMONE pulsatilla (Pasque Flower). Tuft of silvery foliage, with fuzzy, blue-violet, starry flowers in April. Likes sun or shade and sandy soil. Ht. 9 in. \$1 for 3; \$3.50 per doz.

Sylvestris (Snowdrop Windflower). Nodding, scented, white flowers, borne singly or in pairs from April to mid-July, above clumps of fine-cut foliage. Give partly shady moist location. Ht. 1½ ft. \$1.25 for 3; \$4 per doz.

AQUILEGIA alpina (Alpine Columbine). Showy, powder-blue flowers, from two to five on a stem, borne above fine foliage in May and June. Likes a sheltered, sunny place in moist, sandy loam. Ht. 1 ft. \$1.75 for 3; \$5.50 per doz.

Flabellata nana (Dwarf White Columbine). White short-spurred flowers in June. Thrives in light, drained, moist soil and a sunny location. Ht. 1 ft. \$1.25 for 3; \$4 per doz.

ARABIS albidia (White Rock Cress). Sheets of fragrant white flowers in April and June. Fine for rock pockets and ledges in poor, sunny soil. Ht. 6 to 8 in. \$1 for 3; \$3.50 per doz.

Alpina rosea (Pink Alpine Rock Cress). Grey-green mats of foliage sprinkled with tiny delicate pink flowers in April. Likes sunny spots. Ht. 5 in. \$1 for 3; \$3 per doz.

ARENARIA balearica (Corsican Sandwort). Neat carpets of white flowers in spring and early summer. Likes cool, moist, sandy soil. Fine for walls. Ht. 1 in. \$1.50 for 3; \$5 per doz.

Montana (Mountain Sandwort). Creeping plant with large white morning-glory-like flowers in April and May. Fine for sunny crevices. Ht. 4 in. \$1 for 3; \$3.50 per doz.

ARMERIA maritima lauchiana (Lauche's Sea Pink). Pom-poms of intense rose blooms borne from April to mid-June above a cushion of grass-like, dark foliage. Useful for clumps in soil-pockets and corners of walks and steps. Thrives in poor, sunny soil. Ht. 3 to 6 in. \$1 for 3; \$3.50 per doz.

ASTER alpinus (Blue Mountain Daisy). Large, solitary, single flowers with yellow centers in May and June. Thrives in sunny or half-shady soil-pockets. Ht. 3 to 10 in. \$1.25 for 3; \$4 per doz.

Hardy Plants for Rock-Gardens

AUBRIETIA deltoidea bougainvillei (False Rock Cress).

Dwarf and compact; greyish green foliage hidden by sheets of light violet flowers. For crevices and pockets of light, loamy soil. Charming with white arabis and yellow alyssum. Blooms April to June. Ht. 12 in. \$1 for 3; \$3.50 per doz.

AURICULA alpina (Alpine Primrose). Thrives in stiff loam and limestone, in vertical clefts in rock, in partial shade. The scented flowers are pale lemon-yellow and pastel shades. Needs winter protection. Ht. 8 in. \$2 for 3; \$7 per doz.

CALAMINTHA alpina (Calamint). A graceful, tufted plant with purple flower in July and August in a sunny ordinary soil. Resembles Thyme. Ht. 6 in. \$1.50 for 3; \$5 per doz.

CAMPANULA carpatica (Carpathian Harebell). Blue or white bellflowers over round clumps of small leaves from July to September. Fine in soil-pockets and ledges in sunny, well-drained loam. Ht. 8 in. \$1.25 for 3; \$4 per doz.

Garganica (Gargans Harebell). Fine dwarf trailer with hanging masses of delicate blue, white-centered flowers from May to September. Ht. 3 in. \$2 for 3; \$6 per doz.

Rotundifolia (Blue Bells of Scotland). Drooping blue bells on wiry stems from June to August. Plant on slopes or in crevices in sunny, well-drained places. Ht. 6 to 12 in. \$1.50 for 3; \$5 per doz.

CERASTIUM tomentosum (Snow-in-Summer). Sheets of white flowers above grey foliage in June. Likes crevices or sunny pockets. Ht. 3 to 6 in. \$1 for 3; \$3.50 per doz.

DIANTHUS alpinus (Alpine Pink). Thrives in partial shade, giving a lovely profusion of bright rose blooms in the spring. Ht. 2 in. \$2 for 3; \$6 per doz.

Cæsius (Cheddar Pink). Cushions of glaucous foliage and sweet Pinks from May to July. Needs a rich, well-drained soil. Ht. 4 to 8 in. \$1.25 for 3; \$4 per doz.

Deltoides, Brilliant (Maiden Pink). Bright rose Pinks in May and June, with grey, tufted foliage. Does best planted in rich, sunny soil. Forms dense carpet in pockets or crevice, flat or upright. Ht. 6 to 9 in. \$1 for 3; \$3.50 per doz.

Glacialis neglectus (Glacier Pink). A real wildling with tiny reddish purple flowers on 2-inch stems over small tufts of foliage. Ht. 3 in. \$2 for 3; \$6 per doz.

ERINUS alpinus (Alpine Balsam). Purplish pink, cross-shaped flowers from April to June. Loves the semi-shade, or the sun of vertical wall crevices. \$1.50 for 3; \$5 per doz.

ERYSIMUM pulchellum (Mountain Hedge Mustard). Fragrant, sulphur-yellow flowers in May and June. Thrives in light, sunny soil. Ht. 6 in. \$2 for 3; \$7 per doz.

GYPSOPHILA repens (Dwarf Chalk Plant). A trailing, glaucous plant with fine white and pink flowers in July and August. It loves lime (add broken mortar) and upright crevices or flat pockets. Ht. 6 in. \$1 for 3; \$3.50 per doz.

HEUCHERA sanguinea (Coral Bells). Coral-pink bells, borne 1½ feet above a cluster of roundish leaves. Useful in clumps in pockets. Likes any soil in sun or half shade. June to late September. \$1.25 for 3; \$4 per doz.

HYPERICUM polyphyllum (St. John's Wort). This is a rare plant of unusual beauty for the rock-garden. It is of trailing habit, with small glaucous foliage and beautiful rich golden yellow flowers, 1 inch across, which come in May and June and again in September. \$2 for 3; \$7 per doz.

IRIS cristata (Crested Dwarf Iris). Dwarf, creeping plants with small, crested amethyst-blue flowers from May to July. Likes light drained soil and a sunny location. Ht. 4 to 9 in. \$1 for 3; \$3.50 per doz.

Pumila (Dwarf Flag). Yellow or violet miniature Irises 4 to 8 inches high, blooming in early May. Likes sun or partial shade and any soil. \$1 for 3; \$3.50 per doz.

LEONTOPODIUM alpinum (True Edelweiss). Woolly, horned whitish flowers with yellow, knotted centers, from June to August. Fine clumps for a limestone crevice. Ht. 4 to 5 in. \$1 for 3; \$3.50 per doz.



Aubrietia deltoidea

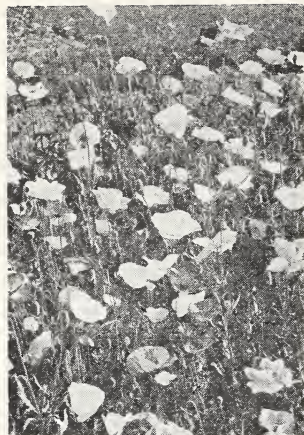


Dianthus deltoides



Iris cristata

Hardy Plants for Rock-Gardens



Papaver nudicaule



Phlox subulata



Primula veris

LYCHNIS alpinum (Red Alpine Campion). Star-like, pink flowers in late April and May, 6 to 12 inches high above leaved stems and base-leaf cluster. Likes poor, light, sunny soil. \$1.50 for 3; \$5 per doz.

NEPETA mussini (Caucasian Catmint). Branching plant with grey, aromatic foliage and profuse racemes of violet-blue flowers in July and August. Likes light, sunny soil. Ht. 2 ft. \$1 for 3; \$3.50 per doz.

PAPAVER alpinum (Alpine Poppy). White, fragrant, yellow-centered flowers above rosettes of finely cut foliage. Blooms in May. Likes sun. Ht. 6 in. \$1.50 for 3; \$5 per doz.

Nudicaule (Iceland Poppy). Yellow, orange, or white, delicately petaled flowers, held 8 to 12 inches above a rosette of grey-green, cut leaves from late April to mid-June, and again from August to September. Likes light, rich, sunny soil. Useful for loam pockets. \$1 for 3; \$3.50 per doz.

PHLOX amoena (Moss Pink). Forms a carpet of small, bright pink flowers in April and May. Thrives in any sunny soil. Useful for ledges or pockets. Ht. 4 in. \$1 for 3; \$3.50 per doz.

Subulata (Dwarf Phlox). Compact, forming sheets of pink bloom in April and May. Ht. 4 in. \$1 for 3; \$3.50 per doz.

Subulata lilacina. The lavender form. Use for ledges, steps, or wall pockets. Ht. 4 in. \$1 for 3; \$3.50 per doz.

Subulata, Vivid. A striking salmon-rose variety, very fine for rock patches. Ht. 4 in. \$1.50 for 3; \$5 per doz.

PRIMULA veris, Munstead Beauty (English Cowslip). Small, yellow, cup-shaped flowers in April and May. Likes sheltered, half-shaded positions in rich, light, moist soil. Needs winter protection. Ht. 6 to 9 in. \$1 for 3; \$3.50 per doz.

SEDUM album (White Stonecrop). Makes a carpet of cream-white, starry flowers from mid-July to late August above dense, pale green foliage, 4 to 6 inches high, in sandy, sunny soil. \$1 for 3; \$3.50 per doz.

Anglicum (English Stonecrop). Neat dwarf plants with rosettes of rounded grey-green leaves, bearing delicate light pink blossoms in April and May. They thrive in dry, poor soil. Ht. 4 in. \$1 for 3; \$3.50 per doz.

Kantschaticum (Orange Stonecrop). Starry golden yellow flowers in flat clusters in July and August above pulpy, evergreen foliage. Carpets sandy soil in sun or half shade. Ht. 4 in. \$1 for 3; \$3.50 per doz.

Lydium (Lydian Stonecrop). Tiny compact evergreen species bearing small pink flowers in June. The foliage bronzes in the fall. Ht. 3 in. \$1 for 3; \$3.50 per doz.

Sieboldi (Siebold's Stonecrop). Dense clusters of pink flowers in August over glaucous, pink-edged leaves. Likes poor, sunny soil. Ht. 9 in. \$1 for 3; \$3.50 per doz.

SEMPERVIVUM in variety (House-Leek). Curious, interesting plants, forming rosettes of succulent, glaucous leaves, varying from green to red. Useful for holes or crevices. Ht. 6 in. \$1 for 3; \$3.50 per doz.

SILENE alpestris (Alpine Catchfly). Dwarf, compact plants with white, star-like flowers with fringed petals in May and June. Useful for loam pockets in partial shade. Ht. 6 in. \$2 for 3; \$7 per doz.

Schafta (Autumn Catchfly). Masses of bright pink bloom from June to September. A fine cushion plant. Likes sandy, sunny soil. Ht. 6 in. \$1 for 3; \$3.50 per doz.

TUNICA saxifraga (Coat Flower). A spreading, tufted plant with small pink flowers in June and July. Thrives in a sunny, poor soil. Ht. 6 to 10 in. \$1 for 3; \$3.50 per doz.

VERONICA rupestris, Heavenly Blue (Rock Speedwell). A spreading carpet of dense green foliage covered with brilliant blue flowers in April. Likes dry spots. Ht. 3 in. \$1.25 for 3; \$4 per doz.

VIOLA cornuta, Apricot Queen (Tufted Pansy). Beautiful apricot flowers. A mass of bloom from April till frost in sun or half-shaded positions. Shear off the dead flowers throughout the season to prevent going to seed. This will insure continuous bloom. Ht. 5 to 8 in. \$1.75 for 3; \$5.50 per doz.

Forbes Hedge Plants, Vines Shrubs and Evergreens

Hedge Plants

A hedge is desirable and popular because it is part of the grounds and garden and more beautiful than the ordinary fence. From the list below, informal, clipped, or thorny defensive hedges may be chosen.

Heavy pruning the first two years encourages dense, low growth. Set the hedge a little deeper than the first branch. In clipping a hedge, never allow the width at the top to be greater than the width at the bottom as shade will weaken the thick, low growth desirable. Keep the top narrow, the bottom wide. **Numbers in parentheses indicate distance apart in planting.** No satisfactory hedge can be had by widely spacing the plants.

BARBERRY, Japanese. Entirely immune from disease. Dark green, handsome foliage, graceful if left to develop, prim if trimmed regularly. The scarlet berries cling to the spiny branches from fall through winter. 12 to 18-in. plants (8 in.), 35 cts. each; \$3.50 per doz.; \$20 per 100. 18 to 24-in. (10 in.), 45 cts. each; \$4.50 per doz.; \$25 per 100.

Red-leaved Japanese. A new form of the above, with vivid, bronzy red foliage. If plant gets full sun exposure, the color increases in intensity as the season advances, changing to vivid orange, scarlet, and red. The brilliant scarlet berries remain on the plant through the entire winter. Excellent for planting as single specimens, or in groups. 1-yr. plants, 75 cts. each; \$7.50 per doz.

LILAC, Purple (*Syringa vulgaris*). Nothing is more superb than a Lilac hedge informally planted for privacy and screening. 2 to 3-ft. plants (3 ft.), 75 cts. each; \$7.50 per doz.

White (*S. vulgaris alba*). More slender than the purple species. 2 to 3-ft. plants (3 ft.), 75 cts. each; \$7.50 per doz.

PRIVET, California. The most popular hedge plant but sometimes freezes out in severe winters. Can be trimmed to any shape. Foliage is dark green, small-leaved, and forms a compact hedge. 18 to 24-in. plants (5 in.), \$1 per doz.; \$6 per 100. 24 to 30-in. (6 in.), \$1.50 per doz., \$10 per 100.

RHAMNUS cathartica (Common Buckthorn). A popular, tall-growing, spiny hedge plant with lustrous leaves and black berries, used for formal or informal hedges. 3 to 4-ft. plants (10 in.), 75 cts. each; \$7.50 per doz.

ROSA RUGOSA. Flowers large, single, pink, magenta, or white, appearing early, and followed by handsome orange Rose-apples. Informal use only. 2 to 3-ft. plants (10 in.), 75 cts. each; \$7.50 per doz.



California Privet



Hedge of Japanese Barberry

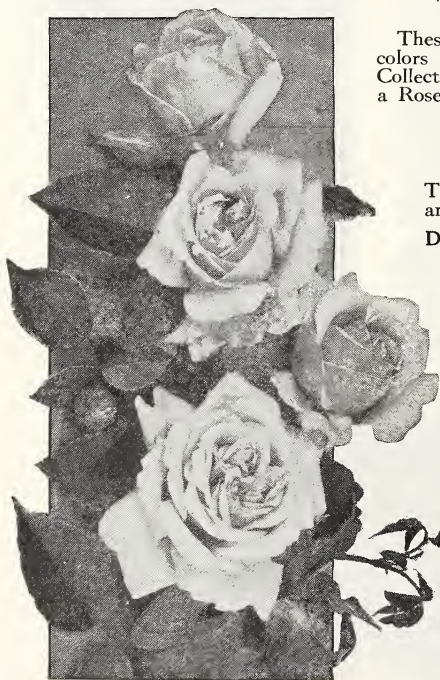
Forbes Choice Roses for Every Garden

We are delighted to offer to old Rose-lovers, and to those who wish to venture into this hobby and become Rose-lovers, the list of novelty Roses and the lists of choice Hybrid Teas, Hybrid Perpetuals, and Hardy Climbers which we can supply. No other blossom can compete with the incomparable Queen of Flowers—so beloved of the English-speaking race the world over, so sung in poetry, pictured in the arts—so symbolic of the language of love among all nations.

We feel that it is more important that many people have a few Rose bushes for cut-flowers than that a few have large show gardens. A little attention every two weeks will make your Rose-bed or border a success and a perennial joy, not only to your own household but to your friends and neighbors.

The Roses listed are strong, two-year-old, American, field-grown plants. The low-budded (or grafted) Rose has the advantage of being more vigorous and an earlier bloomer than a Rose on its own roots. Proper planting prevents wild shoots, but if these occur they are easily detected by the seven or nine-lobed leaves.

Join the American Rose Society and get the latest up-to-date literature on the Rose. Their Test-garden in Hartford, Conn., is maintained for your pleasure and instruction and for the 115,000 persons who visit it annually. Why not be a Rose-lover?



Kaiserin Auguste Viktoria

Three Special Rose Collections

These are selected varieties to give an assortment of distinct colors in each class. Aside from the price advantage, these Collections are particularly desirable for those who are starting a Rose-bed.

5 Hybrid Tea Roses for \$2.95

These will bloom from June until hard freezing comes. They are exquisite for cutting and run riot in their color and perfume. Plant $1\frac{1}{2}$ feet apart and treat generously.

Duchess of Wellington. Enormous, tapering buds of rich golden orange, slowly opening to very large, saffron-colored, sweetly fragrant Roses of great size. Plant very vigorous, healthy, and liberal with its flowers.

Hadley. A rich crimson-red flower with velvety texture, lovely form, and delicate perfume. The flowers are small in summer but are superb in the fall, the color holding well. The plant is moderate in growth and in bloom.

Kaiserin Auguste Viktoria. Well-formed, creamy buds which develop slowly to blooms of absolutely perfect form, snowy white, with a slight tint of lemon at the center, and very fragrant. The plant is moderately vigorous and quite hardy.

Los Angeles. Very lovely buds and exquisite flowers of salmon-pink, with yellow shading, and very sweetly perfumed. In favored locations the plant is of excellent habit, with good foliage and blooms well.

Red Radiance. An even better Rose than its parent, Radiance, in habit, bearing big, globular flowers of deep rose-red on strong canes which are freely produced all summer until frost. Foliage excellent.

The above varieties, if bought singly, are 75 cts. each



3 Hybrid Perpetual Roses for \$1.95

These are very hardy, surviving severe winters, and are extremely vigorous, growing 4 to 10 feet high. They do not flower perpetually but make a lavish display in June and some sorts bloom again in the fall.

Frau Karl Druschki. A very vigorous bush, growing 6 feet high or more, producing immense, snow-white flowers of the most perfect shape, in continuous succession from June until winter. The best white Rose.

Georg Arends. The flowers are exquisitely shaped and of the prettiest soft pink imaginable. Easily the handsomest pink Rose of this group, and especially lovely when cut in the bud and opened in water.

General Jacqueminot. A favorite variety of old-time gardens and still very popular. The flowers are shining red, fragrant, produced very freely in June, and frequently in the autumn.

3 Hardy Climbing Roses for \$1.95

These are the easiest to grow and make a beautiful display with their masses of color. They are splendid for arches, arbors, or trellises and make very effective screens for porches. They are quite hardy and will survive all but very severe winters without special protection.

Climbing American Beauty. Brilliant carmine flowers of exceptionally fine form and rich perfume, borne early in clusters on quite strong, healthy plants. Unusually fine in cool seasons.

Gardenia. Yellow buds and creamy flowers with rich yellow centers, moderately large, well-formed and borne in small sprays. The plant is extremely vigorous and hardy.

Paul's Scarlet Climber. Sprays of moderately large, well-shaped flowers renowned for their intensely scarlet color. This is the most striking of all the new group of large-flowered Roses of climbing habit.

The above varieties, if bought singly, are 75 cts. each

SPECIAL NOTE.—The Roses offered in these Collections are finest No. 1 grade 2-yr.-old, field-grown plants. They are budded stock and give much better results than those grown on their own roots, such as are widely offered at cheaper prices in largely advertised Rose sales each spring. Our plants are each packed in moss, wrapped in burlap, and labeled.

Spray every two weeks with Black-Leaf 40 (tobacco) and Whale-Oil Soap for green plant-lice.



Gardenia



Novelties and Scarce Roses for 1930

Only dead men lose interest in novelties. The rest of us are eager for new and unusual things. Here is a group of new Roses gathered from all over the earth, some of which may be improvements upon older sorts, but all of which will provide the thrill of adventure and experiment. For the most part, the descriptions are those of the introducers, to which we have added our observation.

Roses prefer rich, clay loam but will grow in any soil if drained, manured, and hoe-cultivated. Sand or ashes convert heavy clay into loam. Hedges on the northwest will protect Roses, but the hedge should not be allowed to crowd the rose roots. Plant them as early as possible, cultivate weekly and they will come into bloom within 8 weeks and continue from June until freezing weather.



Edith Nellie Perkins

Blanche Messigny. HT. A very fine garden Rose with large, full, pale nankeen-yellow flowers, passing to creamy yellow and strongly perfumed. Vigorous growth. \$1.50 each.

Edith Nellie Perkins. HT. Medium-size, double flowers of moderate fragrance, borne singly on long stems. The outer color is orient-red shaded cerise-orange, with salmon-pink flushed orange inside. Upright, bushy, strong growth with leathery, bronze-green foliage. Very hardy. \$1.50 each.

Julien Potin. HT. Pointed deep yellow buds and cupped flowers of primrose, shaded darker, on strong stems. The vigorous, upright plant blooms profusely and resists disease. This is an improved Souvenir de Claudius Pernet. \$1.50 each.

Lady Margaret Stewart. HT. A large exhibition bloom, of perfect form, with enormous petals and a high-pointed center. A gorgeous new Rose of the most satisfying golden yellow, shaded and streaked with orange and red. Not very fragrant. Especially handsome foliage free from disease. \$1.50 each.

Marion Cran. HT. Medium-size, ovoid buds and double, high-centered, lasting flowers of pleasing fragrance. Deep buttercup-yellow margined and flushed with cerise, opening to bright geranium-scarlet overspread and veined with orange-yellow. Blooms borne profusely on long stems. Very vigorous, upright, bushy growth with medium, bronze-green, leathery, disease-resistant foliage. Hardy. \$1.50 each.

May Wettren. HT. Large, pointed buds and full, double rosy pink blooms of moderate fragrance which last well. Borne singly on long stems. Quite tall, vigorous, bushy growth with large, leathery green foliage. Very hardy. \$1.50 ea.

Mme. Emile Van der Goes. HT. Conspicuous among all Roses with its fresh coral-rose blooms tinted orange-yellow and delicately shaded with very pale brown. Splendid heavy branching bushes with good foliage. An unusual Rose. \$2.50 ea.

Rev. F. Page-Roberts. HT. Copper-red buds of great length, opening to very large, fragrant, golden yellow blooms stained outside with red and fully double (40 to 50 petals). Strong, branching plant with healthy foliage. A supremely gorgeous Rose, not always at its best in hot weather but its superb flowers in autumn more than compensate. \$1.50 each.

Violoncelliste Albert Foures. HT. Medium ovoid buds and large, full, double, lasting orange-yellow flowers tinted and shaded with buff-yellow. They are borne on medium-length stems above abundant green leathery foliage. Growth is vigorous and upright. \$2.50 each.

Wilhelm Kordes. HT. Long, pointed buds and double, high-centered flowers of deep golden salmon, overspread with a tint of copper, and veined with red. Very fragrant and unusually free-flowering. Vigorous, compact growth, with strong, leather-like foliage which resists mildew and black-spot. This is one of the most marvelously colored Roses. \$1.50 each.



Everblooming Roses

These comprise the Hybrid Teas (designated HT.) and the Teas (T.). They do not bloom all the time, but if kept healthy and growing steadily, one crop of flowers succeeds another at brief intervals. These are the most popular and useful of all Roses, supplying flowers of beautiful form, fragrance, and color. They are hardy, but must have protection in climates subject to zero weather.

Augustus Hartmann. HT. Stunning light red, tending toward vermillion. Double, well-formed, fragrant flowers. Very hot weather spoils the color of this Rose but it compensates in cooler seasons. \$1 each; \$4.50 for 5.

Betty Uprichard. HT. Copper-red buds, opening to semi-double flowers; brilliant orange-carmine on outer surface of petals, showing light salmon reflexes; spicy fragrance. Strong-growing, persistent-blooming, and healthy. \$1 each; \$4.50 for 5.

Charles K. Douglas. HT. Fine, long-pointed buds opening to large, loosely formed flowers of striking, unfading crimson-scarlet; slightly fragrant. Strong, branching healthy foliage; free from disease. \$1 each, \$4.50 for 5.

Dame Edith Helen. HT. Shapely buds and substantial, high-centered, full, petaled blooms of clear pink, sweetly scented and freely produced on long, strong stems except in midsummer. Vigorous and distinct. \$1 each; \$4.50 for 5.

Ecarlate. HT. Scarlet-rose flowers of loose, informal shape, and moderate size, in abundance throughout the season on strong bushes with light green foliage almost immune to disease. Very hardy and long-lived. \$1 each; \$4.50 for 5.

Etoile de France. HT. Vivid crimson flowers, with full, rounded centers of bright cerise; fragrant and long lasting. Strong, free-blooming plants. \$1 each; \$4.50 for 5.

Etoile de Hollande. HT. Very fragrant, brilliant red blooms of magnificent size, perfect in half-open state, showing clean, attractive centers when fully open. Plants are free-flowering and healthy. \$1.50 each; \$7 for 5.

Feu Joseph Looymans. HT. Its very long, firm buds are brilliant orange-buff, strongly suffused with yellow, resembling those of Sunburst. The flowers are large, fairly full, well-formed, yellow with apricot tints. \$1 each; \$4.50 for 5.

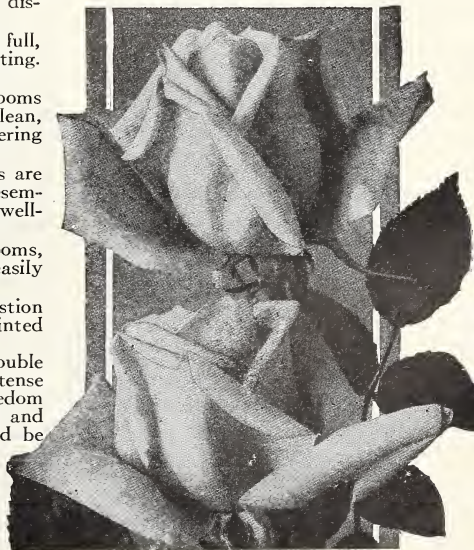
General MacArthur. HT. Crimson-scarlet buds and blooms, usually well-shaped and very fragrant. Good foliage easily protected from disease. \$1 each; \$4.50 for 5.

George C. Waud. HT. A unique light red, with a suggestion of orange and vermillion. Blooms are double, with pointed centers and fragrant. \$1 each; \$4.50 for 5.

Gruss an Teplitz. HT. Small to medium-sized double blooms of brilliant crimson with velvety shadings and intense fragrance. Blooms in open clusters with the utmost freedom throughout the whole season. Bush extremely vigorous and hardy. Too big to plant with other Roses and should be massed alone. \$1 each; \$4.50 for 5.

Harry Kirk. T. Lovely buds of elegant shape and substance, opening to deep straw-yellow, semi-double, cupped blooms of great size, with some fragrance. A most excellent bedding variety, and delightful when it is cut in the half-open state. Bush erect and strong; foliage good. \$1 each; \$4.50 for 5.

Dig the bed 18 inches deep at least, replacing one-third its bulk with rotted cow manure, or use a lesser amount of commercial fertilizer as the package directs. It has the advantage of producing no weeds. If the soil is soggy, use a drain made of tile or stone. Fertilize with two parts bone-meal to one part pulverized sheep manure when planting but do not let it touch the roots.



Betty Uprichard



Lady Alice Stanley

Plant at once in a settled bed. Prune off bruised and broken roots and branches; make the hole wide enough to spread out the roots sideways, then work in fine soil among the rootlets and tamp with the fingers. Set Roses so the knobby elbow of the stem is **just below the soil-level**, neither above it nor deeply under it. Tramp firmly and prune to 6 inches, with cuts at eyes of buds which point outward. When planting, if soil is dry, water thoroughly before putting in the last soil. Hybrid Teas should be planted $1\frac{1}{2}$ to 2 feet apart, Hybrid Perpetuals, 3 feet, and Climbers, 6 to 10 feet.

Cultivate once a week, keep a dust-mulch which prevents evaporation and keeps the ground moist.



Miss Willmott

Everblooming Roses

Hoosier Beauty. HT. Splendid, dark red blooms of impeccable shape and powerful fragrance. Plant healthy but erratic in growth and not especially free-flowering. It is often necessary to wait a long time for good flowers, but they are well worth waiting for. \$1 each; \$4.50 for 5.

Independence Day. HT. Flaming yellow buds, heavily shaded with copper and brown, opening quickly to a moderately large flower which rapidly fades to light orange-pink. Strong, upright bush of branching habit, almost always covered with buds and blooms. \$1 each; \$4.50 for 5.

Killarney White. HT. A pure white sport of the original Killarney, identical in shape of bud, petalage, and blooming qualities. \$1 each; \$4.50 for 5.

Lady Alice Stanley. HT. Massive buds and blooms of very large size, fully double and very sweet; outside of petals coral-rose, inside pale flesh-pink. A strong-growing, free-blooming plant with broad, deeply veined leaves unusually free from disease. Should be in every garden. \$1 each; \$4.50 for 5.

Lady Ursula. HT. Well-shaped buds and blooms of good substance in varying shades of light pink, merging to a yellow base; slightly fragrant. Plant of tremendous growth, good foliage, and very free-flowering. Attains height of 3 to 5 feet. \$1 each; \$4.50 for 5.

Miss C. E. Van Rossem. HT. Velvety dark red, well-formed buds and open flowers of nearly the same shade, reinforced with scarlet and black; somewhat fragrant. Free-flowering. Protect against black-spot. \$1 each; \$4.50 for 5.

Miss Cynthia Forde. HT. Sparkling pink, very double, perfectly formed flowers, with each petal sharply outlined and pointed with a thin, light edge, very fragrant. Plant is of strong growth, erect in habit, liberal with its flowers, and reasonably healthy. \$1 each; \$4.50 for 5.

Miss Willmott. HT. Perfectly formed white flowers of enormous size with an occasional touch of cream or faint pink. A good plant and one of the most persistent of bloomers, especially in hot weather. This is the almost perfect white Rose. \$1 each; \$4.50 for 5.

Mme. Edouard Herriot. HT. Sparkling buds of coral-red and orange, opening to large, semi-double flowers of indescribably brilliant orange-red and salmon. Plant is moderately strong, very free-flowering, and requires usual protection against black-spot. One of the most brilliantly colored Roses known. \$1 each; \$4.50 for 5.

Mme. Jules Bouche. HT. Superb white flowers, shaded light blush at center; fragrant. Plant exceptionally strong, healthy, and very free-flowering. \$1 each; \$4.50 for 5.

Mrs. A. R. Barraclough. HT. Very beautifully formed, large, conical buds and enormous pure pink unusually fragrant flowers shaded with clear light yellow at base of petals. Blooms very freely. \$1.50 each; \$7 for 5.

Mrs. Charles Bell. HT. Lovely shell-pink buds and blooms of fine globular form with shadings of soft salmon; sweetly perfumed. The plant is notably strong and bushy, bearing good foliage seldom attacked by disease. \$1 each; \$4.50 for 5.

Mrs. Erskine Pembroke Thom. HT. Slender yellow buds and large, well-shaped blooms of bright canary-yellow, deepest in center and which does not fade. The plant is of exceptional vigor and blooms freely. \$1.50 each; \$7 for 5.

Mrs. Henry Bowles. HT. Ovoid bud and globular flowers of clear, piercing pink with lighter shades. Free-flowering. Well held, and fairly fragrant. \$1 each; \$4.50 for 5.

Mrs. Henry Morse. HT. A bright flower of two contrasting tones of pink, with an underlying yellow glow; double, high-centered, large, moderately fragrant. Plant tall and branching; foliage a little sparse. Very free-blooming and has proved quite hardy. The very best of the new improved pink Roses. \$1 each; \$4.50 for 5.

Mrs. William C. Egan. HT. Deep flesh-color, softly contrasted with a lighter shade of soft pink and a golden glow at the base of the petals; slightly fragrant. Very vigorous, branching plant with an excellent blooming habit. A distinctly superior Rose. \$1 each; \$4.50 for 5.

Everblooming Roses

Ophelia. HT. A creamy white and pale pink bloom with a glint of golden yellow in the folds of its petals; very fragrant. Plant of very strong and spare habit, producing its bloom very liberally. A most lovely and famous Rose—one of the best in the world. \$1 each; \$4.50 for 5.

Padre. HT. Copper-scarlet, with bright yellow at base of petals. Flowers semi-double, with often curiously notched petals. Erect, strong bush, with light yellow-green foliage; blooms with exceptional freedom. It is especially showy and effective when massed. \$1 each; \$4.50 for 5.

Radiance. HT. Brilliant rose-pink buds, opening to globular shining flowers with lighter tints on the reverse of the petals; and very fragrant. The plant makes splendid growth, and has wonderful blooming qualities. It is splendid for bedding and lasts long when cut. \$1 each; \$4.50 for 5.

Sensation. HT. Enormous, scarlet-crimson, double blooms of fine, deep form and great substance; very sweetly scented. Plant is strong and very active in sending up new blooming shoots. \$1 each; \$4.50 for 5.

Souvenir de Claudius Pernet. HT. Fine buds of fadeless yellow, paling somewhat toward the edge; beautiful when half open but not so good full-blown. Plant erect and strong; foliage glossy and disease-resistant. Blooms freely early and late. The disagreeable black center which disfigures the open flower may be prevented by removing the center bud from the clusters as they form. \$1 each; \$4.50 for 5.

Sunstar. HT. The flowers are deep orange and yellow, edged, veined, and splashed crimson and vermillion. Flowers in great profusion continuously throughout the season. Very highly honey-perfumed. \$1 each; \$4.50 for 5.

Talisman. HT. This 1928 introduction is outstanding. The large-petaled, sweetly fragrant flowers are bright pink, and orange, suffused with gold, giving an effect of glowing coppery pink. In plant growth it is vigorous, with fine foliage and abundance of bloom and is highly resistant to fungus. In 1928, Talisman was awarded gold medals at the New York and Philadelphia Flower Shows. \$2 each; \$9 for 5.

Willowmere. HT. Superb buds and blooms of richest pink, shining with a yellow glow which seems to come from the heart of the flowers; not fragrant. A very strong grower and a persistent bloomer. The foliage requires protection. One of the finest of all Roses. A bed of it is magnificent, and it is equally fine for cutting. \$1 each; \$4.50 for 5.

Hybrid Perpetual Roses

These Roses are very hardy, extremely vigorous sorts, growing 3 to 10 feet high. They are not, as their name implies, perpetually in flower, but produce, in their one great burst of bloom, a lavish display of flowers which cannot be surpassed by any continuously blooming sorts. Their flowers are larger, fuller, and generally much more fragrant. A few sorts produce flowers in the fall if their foliage is kept healthy and they are carefully fertilized. Hybrid Perpetuals should not be planted in the same beds with Hybrid Teas, but either be massed together or kept in the background where they will not be conspicuous when out of bloom.

Captain Hayward. Scarlet-crimson buds and flowers of exquisite form, not fully double, but very large and fragrant. Color fades but not disagreeably. Plant big and strong, and almost constantly in bloom. Dead flowers must be cut to prevent seeding, and it needs food to support its prolonged blooming. \$1 each; \$4.50 for 5.

Clio. Big, very double, globular flowers of pale pink, with flesh tones in center, splendid shape, fragrant. Needs disbudding because its tremendous clusters of buds all try to open at once. \$1 each; \$4.50 for 5.

Mrs. John Laing. Large, smooth, double blooms of clear pink, cup-shaped, and very sweet. Plant is vigorously erect, almost thornless, with handsome foliage. One of the very lovely Hybrid Perpetuals and excellent for cutting. Blooms early, profusely, and gives scattering flowers in summer and a fair display in the autumn. \$1 each; \$4.50 for 5.



Padre

A mulch of peat moss is desirable in the hot summer months. Water thoroughly during dry spells, and avoid giving light sprinklings.

If Roses are low-pruned to three eyes in spring, bushy plants and large flowers are the result; if they are high-pruned, leggy plants and lesser flowers are the result. Do not cut off too close to the eye. When flowers are picked, cut long stems, allowing two leaves to remain. If bloom in the garden only is desired, remove dead flower-heads. Climbers should have the old wood cut out after blooming and the new growths tied up.



Willowmere



Lady Godiva

Liquid manure, made by mixing sheep manure and water, one-half gallon to a plant every two weeks, is beneficial during blooming season. Don't starve your Roses.

Give winter-protection by hilling with earth late in fall after the ground has frozen, adding a few inches of weight-leaves above.

To insure selection and early delivery, order early. This is especially necessary for spring plantings. Roses can be safely planted in late spring if they are pot grown.

When mildew in damp weather whitens and shrivels the plant, or when black-spot causes leaves to yellow and drop off, spray at once with Fungtrogen. The spores of both fungous diseases enter the ground from dropping leaves. Terogen, if spread as a layer on the soil around each plant over winter or early spring, kills these spores in the earth. Fallen leaves can be burned. Arsenate of lead is good for flying pests. Rose bugs are best knocked off into a can of kerosene.

Hardy Climbing Roses

Hardy Climbing Roses are undoubtedly the easiest Roses to grow and yield the most spectacular returns for the time and effort spent upon them. They are hardy, although in regions where severe below-zero temperatures occur they should be protected by laying them down and covering them with burlap, leaves, boards, or earth. Hardy climbers bloom on shoots which arise during the spring from wood which grew the summer before. To have fine bloom it is necessary in all cases to preserve the wood of the previous year and refrain from pruning them in the spring. The proper time to prune is in the summer, after they have finished blooming.

Albertine. Vermilion buds and large, rather loosely formed, somewhat fragrant coppery chamois-yellow flowers, passing to coppery rose. Blooms in midseason in loose clusters. Vigorous plants with leathery, shining foliage and reddish tips. Seems to be reliably hardy. A glorious new color in climbing Roses, and distinctly good. \$1 each; \$4.50 for 5.

American Pillar. Fairly large, single flowers of brilliant crimson-pink, with large white centers and golden yellow stamens. Blooms late but profusely in tremendous clusters on plants of astonishing vigor. 75 cts. each; \$3.25 for 5.

Bess Lovett. Large, fairly full flowers of light crimson-red, cup-shaped, and borne in midseason in long-stemmed clusters suitable for cutting; sweetly fragrant. Plant very strong, exceedingly free-flowering, with fine, glossy foliage almost immune to diseases. 75 cts. each; \$3.25 for 5.

Bloomfield Courage. Small, dark velvety red flowers, with white centers, produced in good-sized clusters along the entire branch. Very free-flowering habit and very hardy. Vigorous grower; dark green, healthy foliage. \$1.50 each; \$7 for 5.

Coralie. Bright coral buds and large, double, orange-salmon flowers, paling to soft pink, borne in midseason, singly or few together, on stiff-caned plants with splendid glossy foliage. The best salmon climbing Rose. \$1 each; \$4.50 for 5.

Dr. Huey. Semi-double, rather large flowers of deepest crimson-maroon, shaded black, borne in midseason in profuse clusters on a lusty plant, with foliage not entirely immune to mildew and flowering three weeks or more. Its unique color is very distinct. Utterly unapproached by any other climber in color and profuse flowering. 75 cts. each; \$3.25 for 5.

Dr. W. Van Fleet. Pale pink buds and flowers equal in form and size to the finest Hybrid Teas, borne in midseason on long, individual stems. The plant produces thousands of flowers over a period of three weeks. Perfect foliage. Undoubtedly the best of all climbers. 75 cts. each; \$3.25 for 5.

Hiawatha. Small, single flowers of brilliant carmine, with white eye and shining yellow stamens. Clusters very large, borne late in tremendous profusion on plants of extraordinary vigor and hardiness. The most dazzling red of all climbers, surpassing Paul's Scarlet Climber in brilliance. Foliage is shining green but ripens early so that plants are often bare at the base in late summer. Most successful for a smashing color effect. 75 cts. each; \$3.25 for 5.

Lady Godiva. Charming, delicate pink late flowers of many mingled shades, in trusses. Plant is extremely strong, hardy, and healthy. Lady Godiva is the most desirable of the whole Dorothy Perkins group. \$1 each; \$4.50 for 5.

Le Reve. Golden yellow buds and bright yellow, semi-double flowers profusely produced early in the season. The plant is moderately vigorous. Has a strong sassafras-like fragrance. \$1 each; \$4.50 for 5.

Mary Lovett. Large, handsome, sweetly scented flowers of pure, waxy white, broad-petaled, and of open form, borne singly and in sprays in midseason. 75 cts. each; \$3.25 for 5.

Mary Wallace. Large, very bright pink, double flowers illumined with shining gold, cup-shaped; moderately fragrant. Plant of splendid vigor—10 to 15 feet high—and has superb foliage. Perfect early flowers of a vivid pink hitherto unexistent in climbers. 75 cts. each; \$3.25 for 5.

White Dorothy. Small, very double flowers of creamy white, borne late in great clusters on a rampant, healthy plant. Invaluable for masses of white bloom. 75 cts. each; \$3.25 for 5.

Hardy Vines

Hardy Vines and Climbers beautify a home by covering banks and bare spots, and by giving comfortable shade and pleasing fragrance to the pergola and veranda. Most of them require some support, but the *Ampelopsis*, *Hedera*, etc., climb by aerial rootlets and will cling to brick, stone, or rough wood surfaces. These are very useful for softening the rough corners of the house, and are of decided benefit to a wall inclined to be damp. The vines should be firmly planted in a deep, rich soil, afterward watering thoroughly. An occasional top-dressing will make strong growth.

AKEBIA quinata. Violet-brown flowers, of pleasant cinnamon odor. Leaflets are arranged five on one stalk. Ornamental and graceful, giving dense shade; does best in sunny places. Pot-grown plants, \$1 each; \$10 per doz.

AMPELOPSIS quinquefolia (Virginia Creeper). Very large, five-leaved green foliage, changing to brilliant scarlet in the fall. Pot-grown plants, 4 to 6 ft., \$1 each; \$10 per doz.

Veitchi (Japanese or Boston Ivy). Rapid-growing vine, having clusters of dark blue berries and handsome green foliage. Strong pot-grown plants, 75 cts. each; \$7.50 per doz.

ARISTOLOCHIA sipho (Dutchman's Pipe). A vigorous, rapid-flowering climber, bearing striking brownish flowers, resembling a pipe. 2-yr. plants, \$1 each; \$10 per doz.

BIGNONIA (Tecoma) grandiflora (Chinese Trumpet Vine). Bright green, compound leaves; clusters of showy orange-red flowers. Pot-grown plants, \$1 each; \$10 per doz.

Radicans (Common Trumpet Vine). A splendid climbing vine, with large, brilliant orange-scarlet flowers in July and August. Pot-grown plants, \$1 each; \$10 per doz.

CELASTRUS orbiculatus (Oriental Bittersweet). A rapid climber with orange-yellow flowers and crimson seeds. Strong, field-grown plants, 75 cts. each; \$7.50 per doz.

Scandens (False Bittersweet). A native vine, of rapid growth, with large leaves and yellow flowers. The bright orange-colored pods split crosswise, disclosing scarlet seeds. Extra-strong, field-grown plants, 75 cts. each; \$7.50 per doz.

CLEMATIS. These beautiful vines of brilliant color are valuable for verandas and trellises. They like a moist, loamy soil and a rather sunny position, growing without any care.

Henryi (Large-flowering Hybrid). Large; creamy white.

Jackmani (Large-flowering Hybrid). One of the best; large, rich, velvety purple flowers in profusion.

Mme. Baron Veillard (Large-flowering Hybrid). Pink.

Mme. Edouard Andre (Large-flowering Hybrid). A very fine variety with purplish red flowers.

Strong pot-grown plants, \$1.25 each; \$12 per doz.

Paniculata (Japanese Virgin's Bower). The most useful profuse bloomer, with fine foliage. The cream-white flowers are starry, fragrant, and resemble snowflakes in late summer. Pot-grown plants, 75 cts. each; \$7.50 per doz.

EUONYMUS radicans (Winterberry). Very hardy, dense-growing, trailing vine with waxy green leaves, having whitish veins. Pot-grown plants, 60 cts. each; \$6 per doz.

HEDERA helix (English Ivy). Perfectly hardy and extensively used for covering brick and stone walls and dwellings. Pot-grown plants, 60 cts. each; \$6 per doz.

LONICERA halliana (Hall's Japanese Honeysuckle). A strong grower and constant bloomer. Flowers open white, changing to buff; very fragrant; delicate looking. A choice variety. Pot-grown plants, 50 cts. each; \$5 per doz.

POLYGONUM auberti (Silver Lace Vine). Of strong, vigorous growth, attaining the height of 25 feet or more, and producing through the summer and fall, great foamy sprays of white flowers. Pot-grown plants, \$1 each; \$10 per doz.

WISTERIA chinensis (Chinese Wisteria). Attractive pale green foliage and blooms very profusely early in summer. Flowers sky-blue, in long, pendulous racemes. Pot-grown, 2-yr. plants, \$1.50 each; \$15 per doz.

Chinensis alba. Showy, pendulous racemes of white flowers. Pot-grown, 2-yr. plants, \$1.50 each; \$15 per doz.



Ampelopsis Veitchi



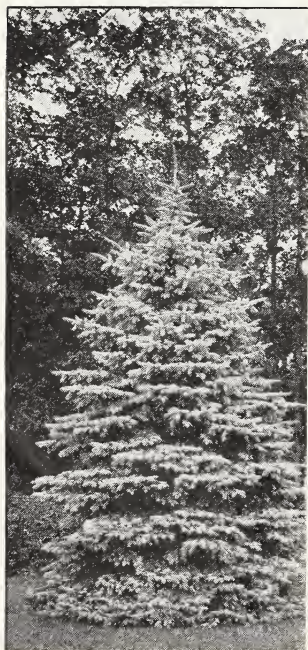
Wisteria chinensis



Evergreens

No home grounds are complete without Evergreens. In winter they supply the only living green and in summer their rich, dark foliage contrasts beautifully with deciduous trees and shrubs. Evergreens may be planted in early spring, late summer, and early autumn.

All are dug with a ball of earth about the roots, tightly wrapped in burlap. Dig holes 10 inches larger in diameter than the size of the ball, and so that the plant will be about 2 inches lower than it originally stood. Loosen the soil in the bottom of the hole. Set the ball in and cut the burlap away halfway down the sides of the ball, leaving the rest of it in the bottom of the hole. Pack the topsoil around the ball, leaving a depression 3 inches deep to hold water.



Picea pungens

BUXUS sempervirens (Common Tree Box). Grows 12 to 15 ft. tall. A large shrub with thick, leathery, dark green leaves. Bears shearing well and can be shaped in any form.
Bush Form. 12 to 15 in., \$1.75 each; \$18 per doz. 15 to 18 in., \$2.50 each; \$25 per doz.

Pyramids. 24-in., narrow, \$4.50 ea. 30-in., narrow, \$6 ea.
For edging. 4 to 5 in., \$9 per 100. 5 to 6 in., \$13 per 100.

EUONYMUS radicans vegetus (Big-leaf Winter Creeper). Grows 3 to 4 ft. tall. A most valuable ground-covering evergreen vine with rich, deep round green foliage, thriving in partial shade or under trees where grass and other plants fail. It has an abundance of red fruits with yellow pods. 2-yr. plants, 75 cts. each; \$7.50 per doz.; \$50 per 100.

JUNIPERUS excelsa stricta (Spiny Greek Juniper). Grows 4 to 5 ft. tall. Foliage glaucous and arranged around the branches in threes, dense and prickly. 12 to 15 in., \$2.50 each; \$25 per doz. 15 to 18 in., \$3.50 each; \$35 per doz.

chinensis pfitzeriana (Pfitzer Juniper). Grows 5 to 6 ft. tall. Very distinct, being of striking, graceful habit. Bright silvery green and perfectly hardy. 1 to 1½ ft., \$2.75 each; \$28 per doz. 1½ to 2 ft., \$4 each; \$40 per doz. 2½ to 3 ft., \$8 each; \$80 per doz.

sabina (Compact Savin Juniper). Grows 6 to 7 ft. tall. Low, trailing habit and fine for massing. 15 to 18 in., \$3 each; \$30 per doz. 1½ to 2 ft., \$3.50 each; \$35 per doz.

KALMIA latifolia (Mountain Laurel). Grows 8 ft. tall. Evergreen, glossy, lance-leaved foliage and pink hexagonal flowers. Nursery-grown stock, 15 to 18 in., \$2.75 each; \$28 per doz. 18 to 24 in., \$3 each; \$30 per doz.

PICEA excelsa (Norway Spruce). Grows 80 to 100 ft. tall. Leaves dark green; very handsome. 1½ to 2 ft., \$2.25 each. 2 to 2½ ft., \$3.25 each. 3 to 4 ft., \$6 each.

pungens (Colorado Spruce). Grows 60 to 80 ft. tall. Dull green leaves on horizontal branches. Forms handsome lawn specimens. 15 to 18 in., \$2.75 each; \$28 per doz.

Evergreens

PINUS austriaca (Austrian Pine). Grows 60 to 70 ft. tall. A robust, stately tree of rapid growth. Rich, dark green needles. 2 to 2½ ft., \$3.50 each. 2½ to 3 ft., \$4.50 each.

densiflora (Japanese Red Pine). Grows 40 to 50 ft. tall. A tree of rapid growth when young. Branchlets are very light colored. The long, slender needles are light green. 2½ to 3 ft., \$3.50 each. 3 to 4 ft., \$6 each.

montana mughus (Dwarf Mugho Pine). Grows 2½ to 3 ft. tall. A round-topped bush useful for foundation work. 12 to 15-in. diam. \$3.50 each; \$35 per doz.

sylvestris (Scotch Pine). Grows 60 to 70 ft. tall. Of rapid growth with strong branches and short, stiff, bluish green foliage and tawny bark. Makes a tall, round-headed tree. 3 to 3½ ft., \$5 each. 3½ to 4 ft., \$6.50 each.

RETINOSPORA filifera (Japanese Cedar). Grows 15 to 20 ft. tall. Has long, stringy, graceful, drooping branches of bright green foliage. 2 to 2½ ft., \$5 each. 2½ to 3 ft., \$6 ea.

pisifera (Sawara Cypress). Grows 25 to 35 ft. tall. Branches horizontal, with feathery green leaves. 2 to 2½ ft., \$3.50 each. 2½ to 3 ft., \$5 each.

plumosa (Plume Cypress). Grows 25 to 35 ft. tall. Delicate, feathery, glaucous foliage on graceful, pliable branches which form a cone or plume-like tree. 1½ to 2 ft., \$3 each. 2 to 2½ ft., \$4 each. 2½ to 3 ft., \$6 each.

RHODODENDRON catawbiense (Catawba Rhododendron). Grows 6 to 9 ft. tall. The flowers, in various shades of delicate pink, are borne in very large, round trusses the early part of June. The foliage is very decorative, rather round and deep shining green. It forms a magnificent rugged, globe-shaped specimen. 1½ to 2 ft., \$4.75 each; \$48 per doz. 2 to 2½ ft., \$6 each; \$60 per doz.

carolinianum (Carolina Rhododendron). Grows 6 ft. tall. Leaves rather small, narrow, dark green. Clusters of clear rose-pink flowers in May. Very hardy. 1 to 1½ ft., \$4 each; \$40 per doz. 1½ to 2 ft., \$5 each; \$50 per doz.

maximum (Great Laurel). Grows 8 to 12 ft. tall. Admirably adapted to massing; will thrive in shady or exposed positions, and is perfectly hardy. Flowers in abundance, varying from white to delicate pink shades. Nursery-grown, 1½ to 2 ft., \$4 each; \$40 per doz. 2 to 2½ ft., \$5 each; \$50 per doz. 2½ to 3 ft., \$6 each; \$60 per doz.

TAXUS cuspidata (Dwarf Japanese Yew). Grows 4 to 5 ft. tall. Hardy, upright, rapid grower, standing our most severe winters. The scarlet fruits in the shiny dark green foliage are very conspicuous. 1½ to 2 ft., \$5.50 each; \$55 per doz. 2 to 2½ ft., \$7.50 each; \$75 per doz.

THUJA occidentalis (Common American Arborvitæ). Grows 8 to 10 ft. tall. Bright green, scaly leaves. Branches short and horizontal. Can be kept very compact by trimming. 2½ to 3 ft., \$4 each; \$40 per doz. 3 to 4 ft., \$5 each; \$50 per doz. 4 to 5 ft., \$6.50 each; \$65 per doz.

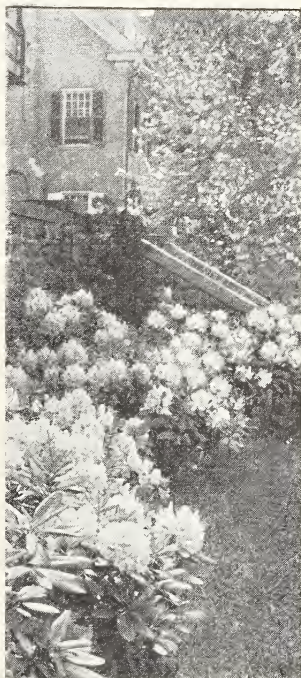
occidentalis globosa (Globe Arborvitæ). Grows 2½ to 3 ft. tall. Round, compact form and dense foliage. 12 to 15 in., \$2.25 each; \$22 per doz. 15 to 18 in., \$2.75 each; \$28 per doz. 18 to 21 in., \$3.50 each; \$35 per doz.

orientalis aurea conspicua (Goldspire Arborvitæ). Grows 7 to 8 ft. tall. Very interesting novelty. Has a conspicuous golden color in summer and is peculiarly shaded in winter; pyramidal shape. 1½ to 2 ft., \$4 each; \$40 per doz.

orientalis aurea nana (Berckman Golden Arborvitæ). Grows 3 ft. tall. With yellow-tinged foliage, changing to bronze. 15 to 18 in., \$4 each; \$40 per doz.

pyramidalis (Pyramidal Arborvitæ). Grows 15 to 30 ft. tall. An upright evergreen, of dense, compact habit. Foliage light green. 2½ to 3 ft., \$4.50 each. 3 to 4 ft., \$6 each.

TSUGA canadensis (Common Hemlock). Grows 75 to 90 ft. tall. Leaves about half an inch long, dull green. Branches slender and softly pendulous. Excellent for a windbreak or a dark, compact green hedge. 2 to 2½ ft., \$5 each; \$50 per doz. 2½ to 3 ft., \$6 each; \$60 per doz. 3 to 4 ft., \$7 each; \$70 per doz.



Rhododendron catawbiense



Thuja pyramidalis

Hardy Flowering Shrubs

Shrubs are as much a part of the well-balanced garden as the lawn or flower-borders. Many of them are as decorative as any ornamental foliage plant, while others are highly useful as cut-flowers, and a well-arranged planting presents an attractive appearance throughout the entire year. Irregular massing is the most picturesque method of planting shrubs. The best way to maintain a balance between roots and branches, when planting, is to cut the latter back half their length. The holes should be made large enough to allow the roots to be spread out in a natural way. Firm planting is essential to the future well-being of the shrubs. Leave a shallow depression around the plant, so that water will not flow away. The topsoil should be kept loose to a depth of 2 to 3 inches; this aids in retaining the moisture. Annual pruning should be done directly after flowering.



Abelia



White-flowering Dogwood

ABELIA chinensis (Hybrid Abelia). Grows 3 to 6 ft. tall. Graceful, arching stems and glossy leaves. White flowers, tinged with pink, are borne in profuse clusters from early summer until frost. Strong plants, 75 cts. each; \$7.50 per doz.

ACER palmatum (Japanese Maple). Grows 12 to 15 ft. tall. The small, star-shaped leaves in autumn gradually acquire a bronzy red tint, beginning at the edges. 2 to 2½ ft., \$2.75 each; \$28 per doz. 2½ to 3 ft., \$3.50 each; \$35 per doz.

Palmtum atropurpureum (Bloodleaf Japanese Maple). Grows 6 to 8 ft. tall. Very conspicuous, medium-sized bush with blood-red foliage. 1 to 1½ ft., \$6 each; \$60 per doz. 1½ to 2 ft., \$8 each; \$80 per doz.

ALTHEA frutex (Rose of Sharon; Hibiscus). Grows 10 to 12 ft. tall. Formal, round-headed shrub when mature, bearing mallow blooms. In four separate colors: Red, White, Pink, and Purple. 2 to 3 ft., 85 cts. each; \$8.50 per doz.

AZALEA amoena (Evergreen Magenta Azalea). Grows 2½ to 3 ft. tall. The bright rosy purple flowers are produced in a solid mass in May. Its hairy foliage takes a pleasing bronze tint in the fall and winter months. 10 to 12-in. diam., \$2.50 each; \$25 per doz. 12 to 15-in. diam., \$3 each; \$30 per doz.

Kaempferi (Torch Azalea). Grows 4 to 5 ft. tall. Large, beautiful, fire-red flowers. Absolutely hardy. 15 to 18 in. high, \$3.50 each; \$35 per doz. 18 to 24 in. high, \$4 each; \$40 per doz.

BERBERIS Thunbergi (Japan Barberry). Grows 4 to 5 ft. tall. The spray-like branches have spines on them, and are covered with small foliage, changing to red in autumn. It bears a mass of bright scarlet fruit, which is attractive during the winter months. Very desirable for grouping; a fine low hedge plant. 1½ to 2 ft., bushy, 45 cts. each; \$4.50 per doz. 2½ to 3 ft., bushy, \$1 each; \$10 per doz.

BUDDLEIA magnifica (Butterfly Bush). Grows 5 to 6 ft. tall. Deep purple-lilac flowers, borne in long, graceful racemes, from midsummer until frost, and long, gray-green leaves. Strong clumps, 75 cts. each, \$7.50 per doz.

CALYCANTHUS floridus (Allspice; Sweet Shrub). Grows 4 to 5 ft. tall. Large, handsome foliage; double, chocolate-colored flowers with a spicy, pleasing odor from June to August. 2 to 2½ ft., \$1 each; \$10 per doz.

CERCIS canadensis (American Red-bud; Judas Tree). Grows 12 to 15 ft. tall. Heart-shaped green leaves and reddish purple flowers. 2 to 3 ft., 90 cts. each; \$9 per doz.

CORNUS florida (White-flowering Dogwood). Grows 15 to 25 ft. tall. Shrub with wavy foliage, glaucous underneath. The four-petaled white flowers are 4 inches wide. 4 to 5 ft., \$2.50 each; \$25 per doz. 5 to 6 ft., \$3.50 each; \$35 per doz.

Florida rubra (Red-flowering Dogwood). 2½ to 3 ft., \$5.50 each. 3 to 4 ft., \$7 each. 4 to 5 ft., \$9 each.

CRATÆGUS oxyacantha (English Hawthorn). Grows 12 ft. tall. Single, white, fragrant flowers like cherry-blossoms, and notched foliage. The fruit, in form of scarlet haws, is very attractive. 2 to 3 ft., \$1 each; \$10 per doz.

Oxyacantha pauli (Paul's Scarlet Thorn). Grows 12 to 15 ft. tall. Double scarlet flowers in spring followed by handsome fruit. 3 to 4 ft., \$2.50 each; \$25 per doz.

Hardy Flowering Shrubs

CYDONIA japonica (Japan Quince). Grows 4 to 5 ft. tall. Showy, popular shrub with scarlet, apple-like blooms, followed by yellow fruits. Has glossy leaves and thorny twigs. 2 to 2½ ft., \$1 each; \$10 per doz.

DEUTZIA gracilis (Dwarf Deutzia). Grows 3 ft. tall. A fine, hardy, dwarf shrub forming a round, compact head of light white blooms in June. 1 to 1½ ft., 75 cts. each; \$7.50 per doz.

Lemoinei (Lemoine's Deutzia). Grows 4 to 5 ft. tall. Low, arching shrub with long, narrow leaves and a profusion of white blooms. 1½ to 2 ft., 65 cts. each; \$6.50 per doz.

EUONYMUS alatus (Corkbark). Grows 9 to 10 ft. tall. Particularly interesting for its curious corky bark. The small spring flowers are followed by attractive red berries in the fall. Its bright scarlet autumn foliage makes it conspicuous. 2 to 2½ ft., \$1.25 each; \$12.50 per doz.

FORSYTHIA Fortunei (Fortune's Golden Bell). Grows 7 to 8 ft. tall. Bark bright yellow. Very vigorous rather erect growth. Dense masses of golden starry flowers in April. 3 to 4 ft., 80 cts. each; \$8 per doz.

Suspensa (Weeping Golden Bell). Grows 4 to 6 ft. tall. Somewhat pendulous in habit, when in bloom the branches droop like arches of gold. A valuable shrub for banks and borders. 3 to 4 ft., 90 cts. each; \$9 per doz.

HYDRANGEA paniculata (Panicled Hydrangea). Grows 8 to 9 ft. tall. Panicles of flowers borne on upright stalks. Flower-heads are not so large as the *Grandiflora*, but more graceful. 2 to 3 ft., 85 cts. each; \$8.50 per doz.

Paniculata grandiflora. Grows 8 to 9 ft. tall. A grand attractive plant, commencing to bloom in July and lasting for months. The pure white flowers, changing to pink, are borne in immense clusters, and when dried are used for the adornment of the home. 2 to 3 ft., \$1 each; \$10 per doz.

ILEX verticillata (Winterberry). Grows 6 to 8 ft. tall. Bright red berries persisting to midwinter, not eaten by birds. Prefers moist soil but will grow elsewhere. Handsome for autumn bouquets. 2 to 2½ ft., \$1 each; \$10 per doz.

KERRIA japonica (Globe Flower). Grows 4 to 5 ft. tall. A green-branched shrub, with nicely cut leaves, conspicuous in winter. Abundant yellow flowers from June to October. 2 to 2½ ft., \$1 each; \$10 per doz.

Japonica flore-pleno. Grows 4 to 5 ft. tall. Double, yellow, rose-shaped flowers. 2 to 2½ ft., \$1 each; \$10 per doz.

KOLKWITZIA amabilis (Beauty Bush). Grows 6 to 8 ft. tall. An exceedingly handsome new ornamental shrub from the wilds of China, resembling the weigela and honeysuckle. With long, arching branches, this combines all the merits of a perfect shrub: hardiness, year-round beauty of foliage and habit, and profusion of pale pink, bell-shaped flowers in June. 1½ to 2 ft. high, \$2.25 each; \$22 per doz.

LABURNUM vulgare (Golden Chain). Grows 20 to 25 ft. tall. A dwarf tree or large shrub with shining green leaves and racemes of yellow, sweet-pea-like flowers in early summer. 3 to 4 ft., \$1.50 each; \$15 per doz.

LIGUSTRUM ibota regelianum (Regel's Privet). Grows 5 to 6 ft. tall. The true spreading type. Splendid, dense shrub, with horizontal-growing branches. Fine for specimens and border work. 2 to 2½-ft. diam., 75 cts. each; \$7.50 per doz.

Ovalifolium (California Privet). Grows 9 to 10 ft. tall. Vigorous shrub of excellent habit. Large, glossy, dark green foliage. One of the best hedge plants, enduring in almost any situation. Retains its foliage until late in winter. Extra-bushy clumps, 3 to 4 ft., \$1.50 each; \$15 per doz.

Vulgare (European Privet). Grows 10 to 12 ft. tall. Almost evergreen, the leaves becoming a purple hue in fall. Dense panicles of creamy white flowers in June and July. 3 to 4 ft., 75 cts. each; \$7.50 per doz.

Shrubs. By F. F. Rockwell. Excellent inexpensive book on proper shrub selection for the small home; the selection, planting and care, with lists for different purposes. 96 pp. \$1.



Deutzia Lemoinei



Kolkwitzia amabilis

Hardy Flowering Shrubs



Philadelphus coronarius



Spiraea Vanhouttei

LONICERA fragrantissima (Fragrant Winter Honeysuckle).

Grows 6 to 8 ft. tall. A beautiful shrub, with very fragrant cream flowers. 3 to 4 ft., 80 cts. each; \$8 per doz.

Morrowi (Morrow's Bush Honeysuckle). Grows 7 to 8 ft. tall. Spreading habit; yellow, starry flowers from May to June, followed by red, currant-like fruits. Good bluish green foliage. 3 to 4 ft., 85 cts. each; \$8.50 per doz.

Tatarica (Tatarian Bush Honeysuckle). Grows 9 to 10 ft. tall. Starry pink flowers in May and June, followed by currant-like fruits. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

PHILADELPHUS coronarius (Fragrant Mock Orange).

Grows 10 ft. tall. White, yellow-centered flowers in May on a tall, arching bush. 3 to 4 ft., 85 cts. each; \$8.50 per doz.

Coronarius grandiflorus (Large-flowering Mock Orange). Grows 7 to 8 ft. tall. Same as above, but large flowered and not so fragrant. 4 to 5 ft., \$1 each; \$10 per doz.

PRUNUS glandulosa (Double-flowering Almond).

Grows 5 to 6 ft. tall. Charming spring-blooming shrub with a mass of pompon blooms. Plant well below the graft. Pink or White, each, 2 to 3 ft., \$1 each; \$10 per doz.

ROSA rugosa (Ramanas Rose).

Grows 5 ft. tall. Early, large, single, rosy crimson fragrant flowers. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

Rugosa alba. Single; white. 2 ft., 75c. each; \$7.50 per doz.

Rugosa alba fl.-pl. Double white. \$1 each; \$10 per doz.

Rugosa rubra fl.-pl. Double rose. \$1 each; \$10 per doz.

SORBUS americana (American Mountain-Ash).

Grows 25 ft. tall. Umbels of small, red berries relished by birds. Leaves are seven-lobed. 6 ft., \$2 each; \$20 per doz.

SPIRÆA bumalda (Bumalda Spirea).

Grows 3 ft. tall. Pink flowers, July to September. 2½ ft., \$1 each; \$10 per doz.

Prunifolia (Bridal Wreath). Grows 8 ft. tall. Racemes of double pompon-like white blossoms in May. Foliage turns orange in autumn. 3 to 4 ft., \$1 each; \$10 per doz.

Thunbergi (Thunberg's Spirea). Grows 4 to 5 ft. tall. Graceful shrub; flowering in early spring. Branches slender and drooping. Small, bright green leaves; pure white flowers. 1½ to 2 ft., 75 cts. each; \$7.50 per doz.

Vanhouttei (Van Houtte's Spirea). Grows 8 to 9 ft. tall. Forms a pendulous bush of superb beauty. Pure white flowers in May and June. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

SYMPHORICARPOS racemosus (Snowberry).

Grows 4 to 5 ft. tall. Small, blue-green oval leaves and small pink flowers with waxy-white berries in autumn and winter. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

Vulgaris (Coralberry). Grows 4 to 5 ft. tall. Arched shrub with vivid magenta berries borne along the stem; small leaves. 1½ to 2 ft., 75 cts. each; \$7.50 per doz.

SYRINGA persica (Persian Lilac).

Grows 9 to 10 ft. tall. Of more slender growth than the common Lilac; purple flowers in immense spikes. 3 to 4 ft., \$1 each; \$10 per doz.

Vulgaris (Common Purple Lilac). Grows 12 to 15 ft. tall. Fragrant racemes in late spring. Does not bloom till planted a few years. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

Vulgaris alba (Common White Lilac). Grows 12 ft. tall. Slender bush; white flowers. 3 ft., \$1 each; \$10 per doz.

VIBURNUM opulus sterile (Snowball).

Grows 9 to 10 ft. tall. Showy, round heads of white flowers in May and June. Handsome cut leaves. 2 ft., \$1 each; \$10 per doz.

Tomentosum plicatum (Japanese Snowball). Grows 8 ft. tall. Snowy white flowers in balls in June; foliage turns purple in autumn. 2 to 3 ft., \$1.25 each; \$12.50 per doz.

WEIGELA (Diervilla) amabilis.

Grows 7 to 8 ft. tall. Vigorous and attractive shrub, with light pink flowers, freely borne. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

Hybrida, Eva Rathke. Grows 4 to 5 ft. tall. A free bloomer; reddish purple flowers. 2 to 3 ft., 90 cts. each; \$9 per doz.

Lutea. Grows 4 ft. tall. Long, tube-shaped, pale yellow flowers. 1½ to 2 ft., 75 cts. each; \$7.50 per doz.

Rosea. Grows 7 to 8 ft. tall. Handsome rose-colored flowers. 2 to 3 ft., 75 cts. each; \$7.50 per doz.

Garden Tools

All prices subject to market changes

Asbestos Torches. Wired balls of asbestos to be fitted to end of a pole and then saturated with kerosene oil and ignited. 55 cts. each; \$5.50 per doz. 5½-ft. handles, extra, at 50 cts. each.

Asparagus Buncher No. 2. Mounted on wood base. Makes bunches 4 x 9 inches. \$5.25 each.

Asparagus Knives. V-notched; wood handles. Best dandelion digger. 50c. ea.; \$5 per doz.

Baskets, Flower, Fruit, and Vegetable. Light and specially designed for purposes named. Well made and convenient.

	Long	Wide	Deep	Each	Doz.
Small...	18 in.	10 in.	3½ in.	\$0 70	\$7 00
Medium...	20 in.	12 in.	3½ in.	80	8 00
Large...	22 in.	14 in.	3½ in.	1 00	10 00

Wire Hanging. Galvanized. For decorating porches and sun-parlors. Each Doz.

8-in. diam.....	\$0 45	\$4 50
10-in. diam.....	55	5 50
12-in. diam.....	65	6 50

Pottery, Hanging. Unusually attractive for sun-parlors. Blue, Green, and Yellow pottery with clay liners and brass chains. 5½-in. diam., \$1.75 each; \$17.50 per doz.

Brush Axe. For cutting underbrush. \$2.85 each.

Celery Tape, Red and Blue. On 1,000-yd. spools.		
No. 13. For Felins Vegetable	Each	10
Tying-Machine.....	\$1 90	\$17 00
No. 21. Uncalendered.....	3 50	33 00
No. 25. Calendered.....	4 25	40 00

Dibbles. For planting bulbs, etc.		Each	Doz.
No. 220.	All iron.....	\$0 75	\$7 50
No. 218.	Large, wood handle...	85	8 50
No. 219.	Small, wood handle...	75	7 50

Edgers, Half Moon. Solid steel, rounded blade, with long wood handle. For edging turf along walks, borders, etc. \$1.50 each.

Planet Jr. Revolving, sharpened disc on a substantial wooden handle. Easily manipulated. \$1.75 each.

Flower-Boxes, Perfecto. Green and Old Ivory finish. Light metal, with ventilation and irrigation. All 7 in. wide and 6 in. deep.

Length	Each	10	Length	Each	10
20 in..	\$1 25	\$11 50	38 in..	\$2 95	\$27 50
26 in..	1 85	17 50	44 in..	3 50	32 50
32 in..	2 40	22 50			

Savo Self-Watering. Round corners and rolled rim of heavy galvanized steel in green and Old Ivory. Water inlet in corner. Approved by Good Housekeeping Institute. All 9½ in. wide by 8 in. high.

Length	Each	10	Length	Each	10
23 in..	\$3 50	\$32 50	35 in..	\$5 00	\$46 00
29 in..	4 50	42 00	41 in..	5 50	50 00

Forks, Manure. Best heavy oval tines. Each

4-time; D-handle; 27 in.; extra heavy..	\$2 75
5-time; D-handle; 27-in.; extra heavy..	3 25

Spading, 4-time; D-handle; short; heavy.. 2 25

5-time; D-handle; short; heavy.....	2 75
4-time; D-handle; short; heavy; Eng-	

lish; square tines..... 2 75

Fruit-Pickers. Galvanized wire to be attached to pole. 60 cts. each; \$6 per doz. 5½-foot handle, 50 cts. extra.

Garden Lines. No. 4½, braided. In 48-ft. lengths. 65 cts. each; \$6.50 per doz.

Garden-Line Reels. No. 1 Iron. Accommodates 100 feet of line. \$1.25 each.

Garden Tool Sets, 3PF, Lady's or Child's. Comprises small, durable Hoe, Rake, and Shovel. \$2.25 each.

Glazing Points, Peerless No. 2. 75 cts. per 1,000.

Grafting Wax. ¼lb. 25c.; ½lb. 35c.; 1b. 60c.

Grass Hooks, Austrian. 16 in. Blade lacquered to prevent rust. Keeps a keen cutting edge. 95 cts. each; \$9.50 per doz.

Offset. Prevents bruising knuckles because hickory handle is raised from polished blade. 75 cts. each; \$7.50 per doz.

Handles. 5½-ft. wood, for hoes, rakes, fruit-pickers, torches. 50 cts. each; \$5 per doz.

Manure Fork. Strapped and capped with ferrule. \$1.50 each; \$15 per doz.

Harrow, Meeker Smoothing. Conditions the soil like hand-raking. Has a wooden frame containing four sets of discs. Frame, 4 ft. 6 in. by 4 ft. with 58 8-in. discs. \$40 each.

Hoes, Draw or Field. 6, 7, and 8 inches wide. \$1.20 each; \$12 per doz.

Grape or Grub. For grubbing out roots. Heavy malleable iron; blade 7 in. wide, 9 in. long. Handled like mattock. \$2.25 each.

Potato or Manure Hooks. 4 flat tines. \$1.75 each.

	Each	Doz.
Scuffle or Push. 4-in. wide....	\$0 90	\$9 00
6 in. wide.....	1 00	10 00
8 in. wide.....	1 20	12 00
10 in. wide.....	1 50	15 00

5½-ft. handles, 50 cts. extra.

4½-in. Short wood handle...	\$0 80	\$8 00
7-in. Long wood handle.....	1 30	13 00
7½-in. Long wood handle...	1 50	15 00

Hose, Rubber. ¾-in. bore; plain, black; moulded; non-kinkable; finest quality. 25 ft. length, \$5. 50 ft. \$9. 100 ft. \$17. Couplings attached, 40 cts. extra.

Rubber. ¾-in. bore; durable; standard quality. 25-ft. length, \$3.75. 50 ft. \$6.75. 100 ft. \$12. Couplings attached, 40 cts. extra.

Rubber. ¾-in. bore discharge hose for spray pumps. Cut any length. 15 cts. per ft. Couplings attached, 40 cts. extra.

Hose Requisites—

Clamps. ¾-in. 10 cts. each; \$1 per doz.

Couplings. ¾-in., brass. 35 cts. per pair.

Menders (Cooper's). ¾-in. brass tubing; no fasteners needed. 12 cts. ea.; \$1.20 per doz.

Nozzles, Just Rite Spray. ¾-in. brass. Gives a perfect spray. A well-formed, straight stream, and an absolute shut-off by turning the barrel. 60 cts. each; \$6 per doz.

Nozzle Holder. Made of twisted, rust-proof wire, with spike. For ½-in. or ¾-in. hose. For stationary watering. 35 cts. each.

Reels. Easily manipulated. Light in weight. Wheels high. Indestructible. No friction. All iron. Light handle and cannot tip.

	Wheel	Each
No. 10. 21-in., holds 100 ft. ¾-in. hose.		\$5 00
No. 20. 24-in., holds 150 ft. ¾-in. hose.		5 50
No. 30. 30-in., holds 500 ft. ¾-in. hose.		9 50

Sprinklers. Excellent for hothouse and hot-bed use. Holes small and numerous, insuring ample but gentle shower. 4-in. face 75 cts. each; \$7.50 per doz.

Washers. ¾-in.; rubber. 15 cts. per doz.

Garden Tools

All prices subject to market changes

Hotbed Accessories—

Hotbed Sash and Frames. Selected clear Cypress dressed and painted. Corner angle irons. Rails rabbeted, grooved for drip and dove-tailed into sides. Rear depth 16 in., front depth 8 in. All sash, glazed, 3 by 6 ft. Crating, \$1.25 extra for 1 to 4 glazed sash.

Frame	No. sash	With sash	Without sash
No. 2.	2.....	\$32 00	\$16 00
No. 3.	3.....	45 00	21 00
No. 4.	4.....	58 00	26 00
No. 5.	5.....	72 00	32 00

Sash alone, 3 by 6 ft., glazed, 3 rows 10 by 12 in. glass, painted, \$8 each; \$90 per doz.

Mats. 76 x 76 in. Burlap both sides. Wool lined and quilted. \$3.75 each; \$42 per doz. 40 x 76 in. Burlap on both sides. Wool lined and quilted. \$2.75 each; \$30 per doz.

Thermometers. For hotbed. Wood frame, 15 in. with point. Best grade; white figures and graduations. \$3 each.

Jardiniere. Figured pottery in green and brown designs. Attractive for house decoration, to hold plants and ferns. Each

No. 20. Jardiniere only. 4 in. diam....	\$0 75
No. 21. Jardiniere only. 5 in. diam....	1 00
No. 22. Jardiniere only. 7 in. diam....	1 50
No. 23. Jardiniere only. 7½ in. diam....	1 75
No. 24. Jardiniere only. 8 in. diam....	2 25
No. 25. Jardiniere only. 10 in. diam....	3 75
No. 26. Jardiniere only. 12 in. diam....	7 50
No. 27. Jardiniere only. 13 in. diam....	12 00
No. 28 Pedestal. Height 21 in., for No. 26 Jardiniere	9 00
No. 29 Pedestal. Height 22 in., for No. 27 Jardiniere	10 00

Knives. No. 916 Pruning. Ivory handle; sheeps-foot blade; brass lined. \$3.75 ea.; \$38 doz.

No. 919 Budding. Ivory handle; rounded blade; brass lined. \$3.75 each; \$38 per doz.

No. 928 Pruning. Stag handle; hook blade; iron lined. \$2.50 each; \$25 per doz.

No. 2107. Two blades; budding and pruning; stag handle; brass lined. \$1.50 ea.; \$15 doz.

Labels, Simplex Weatherproof, Garden. White celluloid card enclosed in a rust-proof, galvanized card holder and protected by a transparent mica cover, welded to an iron stake 24 inches long. Finished in attractive dark green enamel. Each Doz.

No. 10. Card 2¾ x 1½ in.	\$0 25	\$2 50
No. 11. Card 3 x 2 in.	30	3 00

Simplex Weatherproof, Plant. White celluloid cards with transparent mica covers. Copper wired for tying on. The writing completely protected, indefinitely. Doz. 100

No. 1. 3 x ½ in.	\$0 45	\$3 00
No. 2. 4 x ¾ in.	75	5 00
No. 3. 5 x 1 in.	1 10	7 00

Wooden, Pot. Painted white on one side.

	Doz.	100	1,000
4-in.	\$0 10	\$0 35	\$2 25
5-in.	10	45	2 75
6-in.	15	55	3 50

Wooden, Garden. Painted white on one side.

	Doz.	100	1,000
8-in.	\$0 30	\$1 25	\$8 75
10-in.	35	1 40	11 00
12-in.	40	1 60	13 25

Wooden, Tree. 3½-in.; copper wired; painted. 10 50 3 00

Leaf and Rubbish Burners. Made of extra-heavy galvanized wire for long service. Excellent for the safe disposal of waste-paper, leaves, and all kinds of rubbish. Each

No. 2. 25 in. high; 18 in. diam.	\$2 50
No. 3. 30 in. high; 20 in. diam.	3 50

Leaf and Rubbish Racks. Fits any wheelbarrow with removable sides. Made of galvanized wire bolted to a wooden base. Holds 10 bushels of leaves and litter. Rack only, \$9.

Mole Traps, Reddick. A steel device to kill moles. Easily set by contracting the spring and inserting the discharge pin. The mole, passing the runway, releases the spring and is spiked by the teeth. \$1.40 each.

Pads, Sponge Rubber. Protects knees while kneeling on damp ground. \$1 each.

Post-Hole Diggers. Makes a hole of any desired diameter. \$3.50 each.

Pots, Clay or Earthen. Bulb Pans at same prices.

	Each	Doz.	100	1,000
2½-in. diam.	\$0 35	\$2 25	\$19 00	
3-in. diam.	45	3 00	27 00	
4-in. diam.	\$0 10	75	4 50	40 00
5-in. diam.	15	1 25	7 50	70 00
6-in. diam.	20	1 65	12 00	
7-in. diam.	30	2 65	19 75	
8-in. diam.	40	4 00	30 00	
9-in. diam.	75	7 50	45 00	
10-in. diam.	90	9 00	60 00	

	Each	Doz.	100
Saucers, Clay or Earthen.			
4-in. diam.	\$0 35	\$0 50	\$3 75
5-in. diam.	05	55	4 00
6-in. diam.	10	1 00	6 00
7-in. diam.	15	1 50	7 50
8-in. diam.	15	1 75	10 50
9-in. diam.	25	2 50	17 50
10-in. diam.	35	3 50	25 00

Pots, Glazed. Artistic pottery flower pots for home decoration. Saucer included. In Blue, Green, and Yellow. Each Doz.

4-in. diam.	\$0 40	\$4 00
5-in. diam.	50	5 00
6-in. diam.	70	7 00
7-in. diam.	1 00	10 00
9-in. diam.	1 50	15 00

Glazed Pans. Like glazed pots, each comes with a saucer. Excellent for home decoration and exhibition bulbs. In Blue, Green, and Yellow. Each Doz.

7-in. diam.	\$0 90	\$9 00
8-in. diam.	1 35	13 50
10-in. diam.	1 95	19 50

Pots, Growell. Made of soil-forming material. Plants may be started and set in the field without taking from pots. Will not check plant growth. The roots penetrate the pot. The use of Growell Pots advances the flowering or bearing period 10 to 14 days.

	Top Diam.	Height	Doz.	100
No. 2.	2¾ in.	3 in.	\$0 50	\$3 00
No. 3.	3½ in.	3¾ in.	60	3 50
No. 4.	4¾ in.	4 in.	75	4 25

Pots, Paper, Neponset. Economical and waterproof. Doz. 100 1,000

2½-in. diam.	\$0 15	\$0 65	\$5 50
3-in. diam.	20	85	7 50
4-in. diam.	30	1 75	12 00
5-in. diam.	40	2 50	19 00
6-in. diam.	55	3 00	24 00

Garden Tools

All prices subject to market changes

- Powder Dusters, Bellows, Woodason's.** Best quality; very durable. Large, single cone, \$4.75 each. Small, single cone, \$3.50 each.
- Guns, Jumbo.** For use on pot or greenhouse plants. Holds about 4 ozs. of powder which is ejected in a fine spray by the pressure of the thumb. 50 cts. each; \$5 per doz.
- Gun, Key Duster.** Metal cylinder with spout and plunger. Just the right size for dusting roses and for other garden uses. Strongly made and powerful. \$1.50.
- Gun, Peerless.** Powerful, light, well-balanced and hand-operated. The turns of a handle geared to a one-piece fan develop a regular feed. No. 2R for two rows, \$22.50. No. BA same, with attachment for dusting the undersides of the leaves. \$25.
- Pruners, Standard Tree.** Operated by a lever to which the blade is connected by an iron rod. Cuts limbs to $\frac{3}{4}$ inch in diameter. Each 8 ft. long.....\$2 25
10 ft. long.....2 50
12 ft. long.....2 75
Extra Blades 30 cts. each; \$3 per doz.
- Hadley, Tree.** The closest-cutting Pruner made. It is of very heavy metal which can cut limbs 1 inch or more in diameter. Designed for the heaviest pruning work. Operated by a cord attached to the cutting lever. Each tool guaranteed. Each
No. 1. On 10-ft. spruce pole.....\$5 50
No. 2. On 5-ft. pole with an additional 5-ft. Extension Pole.....6 00
- Putty Bulb, Rubber.** For applying liquid putty on sash and greenhouses. Holds 12 ozs. \$1.75.
- Raffia, Natural.** For tying plants. Best grade. Lb. 50 cts.; 5 lbs. \$2.
- Rakes, Japanese Bamboo.** Made of split bamboo wired in fan shape. Light. Best for dead leaves. \$1 each; \$10 per doz.
- Steel Garden.** Cut from one piece of steel. Strong and durable. Best quality. Each
12-tooth.....\$1 10
14-tooth.....1 20
16-tooth.....1 30
18-tooth.....1 40
- Wood, Lawn.** Light and substantial, having three tubular steel bows and 24 teeth. For hay, grass, or litter. \$1.50 each; \$15 per doz.
- Saws, Pruning, Double Edge, Paragon.** Crucible steel blade; brass screws; beech handle. Thrust cut on convex edge; draw cut on concave edge. 18-in. blade \$2.50 each.
- Single Edge.** Narrow 18-in. blade; wood handle. Best for dense growth as the upper, smooth edge does not cut other limbs. \$1.75.
- The Orchard Hook and Saw.** Combination Saw and Tree-pruner for cutting high branches from the ground. Fits pole of any length. Malleable iron 10-inch blade with pole socket and without pole. \$3.25 each.
- Scissors.** Finest quality. Imported.
- Flower-gathering.** Not only cuts the flowers but also holds them. \$2.50 each.
- Grape-thinning.** Thins bunches, allowing remaining ones to develop. \$1.50 each.
- Scythes, Grass.** Best steel. 30 to 34 in., \$3 each.
- Scythe Snaths.** Patent key fastening; bush or ordinary. \$2.50 each.
- Scythe Stones.** Talacre. 40 cts. each; \$4 per doz.
- Shears, Border.** For trimming overhanging grass on the edges of walks, etc. With 9-in. vertical blade and without wheel. \$5.50 each; with wheel \$6.
- Grass or Sheep.** With offset handles, keeping the knuckles off ground. One-piece Shears of best grade steel. Each
5 $\frac{1}{2}$ -in. blade.....\$1 10
6 $\frac{1}{2}$ -in. blade.....1 35
- Doo-Klip.** Upright handle. Hand is free from ground contact. Operates vertically. Made of good steel. Self-sharpening. \$1.50 each.
- Grassnip, Improved Model.** Blades 6 in. long of fine steel; handle 6 $\frac{1}{2}$ in. long of enameled malleable iron. \$1.35 each.
- Hedge, Notched.** Solid crucible tool-steel blade, tempered to hold an edge. Each
8-in. blade.....\$2 25
9-in. blade.....2 50
10-in. blade.....2 75
Ladies. 6-in. blade (without notch)... 2 00
- Hedge Trimmer, Electric.** Will pay for itself in one season even on short stretches of hedge. Eliminates irksome work, backaches, and saves much time. Ready to operate when connected to an ordinary light socket. Blade—of heavy spring steel, carefully tempered and easily sharpened. Several thousand revolutions per minute. Extra blades easily obtained and inserted. Handle—26 in. long and can be moved to meet any desired angle of operation. Motor—The best for either direct or alternating current. Switch—on handle permits instantaneous action. One hundred feet of wire supplied with each machine. Weight—5 $\frac{3}{4}$ lbs. \$45 each.
- Lawn.** No kneeling or bending. The best for trimming grass around flower-beds and walls and under hedges. 6 $\frac{3}{4}$ -in. blade, with serrated edges; 30-in. handles, wood roller, \$2.25 each. 9-in. heavy blade with two steel wheels, \$6.50 each.
- Lopping.** Forged steel blade; 26-in. handle. A strong, well-made tool. \$2.50 each.
- Pruning, Ladies.** 6-in. Solid steel, nickel-plated, flower-holding attachment. \$1.75 ea.
- No. 253.** 8-in. heavy steel blade. The best for heaviest pruning. \$3.50 each.
- No. 100.** 9-in. blade, with malleable handles, japanned; volute spring and latch. \$1.
- No. 201.** 9-in. blade; like above with regulating ratchet nut. \$2 each.
- Shovels.** Best steel, short D-handle. Each
Round point.....\$1 75
Square point.....1 75
- Sod Cutter, Champion Horse-drawn.** Will cut in one hour as much sod as two men can cut in one day. Can be adjusted to cut one sized sod 12 in. wide and 1 to 2 in. thick. Has reversible blade. \$55 each. Extra Knife, \$13.50.
- Sod Perforator.** For renovating bad spots in lawns. Use before sowing to enable seed to enter the soil. Consists of an oak block 10 by 12 in. through which spikes are driven. Handle 4 ft. \$4.75 each.
- Sod-Tampers.** Used for compacting new turf or sod after frost. 4-ft. wooden handle with steel base. Each
8 by 8 in. (14 lbs.).....\$2 25
10 by 10 in. (18 lbs.).....2 50

Garden Tools

All prices subject to market changes

Spades. Best grade. Wood; D-handle. \$1.75 ea.

Sprinklers, Plant. For sprinkling indoor plants or flats. Made of finest rubber with hard rubber sprinkler. 6-oz. capacity, with either straight or angle neck, \$1 each; \$10 per doz. 10-oz. capacity, with either straight or angle neck, \$1.35 each; \$13.50 per doz.

Stakes, Bamboo. 6-ft.; natural color. $\frac{3}{4}$ in. diam., \$1 per doz.; \$6 per 100; \$50 per 1,000.

Dahlia Poles. $\frac{7}{8}$ in. square; painted green; ash; pointed end; 5 ft. long. 20 cts. each; \$1.80 per doz.; \$13 per 100.

Plant Stakes. Round; tapering. Doz. 100
 Light 2 ft. long.....\$0 60 \$4 00
 Light 3 ft. long..... 1 10 7 25
 Heavy 4 ft. long..... 1 75 12 00
 Heavy 5 ft. long..... 2 25 15 00
 Heavy 6 ft. long..... 3 00 20 00

Plant Supports, Adjusto. Sturdy ash stakes, painted green, $\frac{1}{2}$ in. square. Adjustable wire rings, 13 in. diameter, supplied separately.
 Each Doz. Each Doz.
 3 ft....\$0 15 \$1 20 5 ft....\$0 20 \$1 80
 4 ft.... 15 1 20 Rings.... 20 1 80

Syringes. Applicable to garden or greenhouse work. Ejects water in solid stream or fine or coarse spray as wanted.

No. A. Barrel. 12 in. long; 1-in. diam. One spray rose and jet. \$3.50 each.

No. 2 Barrel. 13 $\frac{1}{2}$ in. long; 2-in. diam. One coarse and one fine spray rose, and one jet; side attachment. \$6 each.

No. 10 Barrel. 18 in. long; 1 $\frac{1}{2}$ -in. diam. One coarse and one fine spray rose and one stream jet with patent valves and elbow joint for sprinkling under foliage. \$9 each.

Thermometers, Hotbed. 15 in. \$3 each.

Standard. Coppered tin case. Black oxidized brass scale, white figures. 40° below zero to 120° above. Fahrenheit. 8-in., \$1 each.

Self-Registering. For greenhouse use. Lacquered, polished brass case; white figure, end hangers; 10 in. long, range 40° below zero to 120° above. Fahrenheit. Magnet with each. \$7 each.

Trowels, One Piece. Made of rolled steel; smooth surfaces. 30 cts. each.

Solid Steel. The best made. Ferrule, shank, and blade forged in one piece. \$1 each.

Transplanting or Slim Jim. Excellent for setting bulbs; narrow blade; wood handle. 6 in., 20 cts. each; \$2 per doz.

Tubs, Cedar Plant, New York Style. Made of selected, seasoned white cedar, which outlasts cypress. Trimmed with metal feet and convenient handles. Painted a handsome green. Strong, flat hoops, painted black.
 Top Bottom
 No. Diam. Diam. Depth Weight Each
 1. 12 in. 9 $\frac{3}{4}$ in. 10 $\frac{3}{8}$ in. 9 lbs. \$2 50
 2. 13 in. 10 $\frac{1}{4}$ in. 12 $\frac{3}{4}$ in. 13 lbs. 3 50
 3. 14 $\frac{1}{2}$ in. 12 $\frac{1}{4}$ in. 14 $\frac{3}{4}$ in. 15 lbs. 4 25
 4. 19 $\frac{1}{8}$ in. 17 $\frac{1}{4}$ in. 16 $\frac{3}{8}$ in. 21 lbs. 6 00
 5. 22 $\frac{1}{8}$ in. 20 $\frac{1}{4}$ in. 18 $\frac{1}{2}$ in. 26 lbs. 7 50

Twines. For vegetable bunching purposes.

Jute. Two-ply; for bunching. On $\frac{1}{2}$ -lb. balls, 50 cts. per lb.; 10-lb. reels, 40 cts. per lb.; 25-lb. reels, 35 cts. per lb.; 50-lb. reels, 30 cts. per lb.

White Cotton. In $\frac{1}{2}$ -lb. balls. 4-ply ball, 25 cts.; 6-ply ball, 40 cts.

Wall or Vine Nails. Excellent for fastening vines to walls, houses, etc. 100
 1 $\frac{1}{2}$ in.....\$4 00
 2 in..... 5 00

Watering-Pots, Round Galvanized. Strong and durable. Made of heavy-gauge galvanized metal. Each Each
 4-qt.....\$0 85 10-qt.....\$1 35
 6-qt..... 1 00 12-qt..... 1 50
 8-qt..... 1 15 16-qt..... 1 75

Oval, French. Heavy galvanized reinforced iron. Oval shape with tubular handle, long spout, and one fine and one coarse rose.
 Each Each
 6-qt.....\$6 25 10-qt.....\$7 00
 8-qt..... 6 50 12-qt..... 7 75

Weeders and Hand Cultivators—

Beet. Wood handle with bent flat steel spring. 40 cts. each; \$4 per doz.

Dandelion Digger. V-notched blade; wood handle. 50 cts. each; \$5 per doz.

Eureka. Has three solid steel prongs set 1 $\frac{1}{2}$ in. apart. A garden favorite. Each Doz.
 Style E. Short wood handle...\$0 60 \$6 00
 Style EL. 24-in. wood handle... 70 7 00

Excelsior. Has five short prongs and wood handle. 25 2 50

Hand Fork. Has three flat steel tines and wood handle. No. 14.. 25 2 50
 Style G..... 55 5 50

Magic. This is a very popular handy Weeder for general garden use. Prongs made of hard steel. Wood handle. Each Doz.
 A. 3 prongs, short handle....\$0 25 \$2 50
 C. 4 prongs, short handle.... 40 4 00
 D. 4 prongs and square hoe, short handle..... 60 6 00
 E. 4 prongs and V-pointed hoe, short handle..... 60 6 00
 G. 4 prongs and 4 foot handle.. 1 00 10 00

Norcross Cultivator. Has strong, removable steel prongs. Can be used in wide or narrow rows. An ideal weeder. Each Doz.

Midget. 3-prong; 9-in. wood handle.....\$0 60 \$6 00

No. 33. 3-prong; 4-ft. wood handle..... 95 9 50

No. 55. 5-prong; 4-ft. wood handle..... 1 35 13 50

Onion. Short wood handle with three-cornered draw blade of good quality steel. 65 cts. each; \$6.50 per doz.

Pull Easy Cultivator. Long wood handle. One end of blade like a mattock; the other has one and two prongs. Fine steel.

1 PF. Blade 3 $\frac{5}{8}$ in. wide with one prong. 90 cts. each.

2 PF. Blade 3 $\frac{3}{4}$ in. wide with two prongs. \$1.10 each.

Wheelbarrows, Garden. The best made. All wood with two straight removable sides.
 Length Width Depth Diam.
 Box Box Box Wheel Tread Each
 In. In. In. In. In. In.
 2B. 23 17 8 16 11...\$6 50
 3C. 28 19 $\frac{1}{2}$ 10 18 11 $\frac{1}{2}$.. 7 50
 4D. 28 21 $\frac{1}{2}$ 10 20 11 $\frac{1}{2}$.. 8 50
 5E. 29 $\frac{1}{4}$ 25 10 $\frac{3}{4}$ 20 11 $\frac{1}{2}$.. 9 50

Roadless. A regular wood-frame, steel-pan Barrow with a tractor unit instead of a wheel. See separate description. \$22 each.

Garden Furniture

Arches, Wire, are used largely as combination trellis arches. Made of heavy wire fabric supported on 1-inch iron frame reinforced with four cross members. Cast-iron plugs secured to frame set into 18-inch pointed ground stakes. Green finish.

Width of fabric	4 ft. wide by 7 ft. high	4 ft. wide by 8 ft. high
18 in.	\$15 00	\$16 00
24 in.	16 00	17 00
30 in.	17 00	18 00



No. 3. Robin-
or Phoebe-
House

No. 1.
Wren-
House

No. 4.
Bluebird-
House

Bird-Houses attract singing neighbors, which retard the ravages of insect enemies on plant-life. Here, again, there are innumerable models. We have selected the best types remembering the bird species which inhabit New Jersey. Each

No. 1. Wren-House. Rustic; hanging...	\$2 00
No. 2. Wren-House. Rustic; flat back...	2 50
No. 3. Robin- or Phoebe-House. Rustic.	2 00
No. 4. Bluebird- or Tree Swallow-House. Rustic; flat back.....	2 75
No. 6. Wren-House. Plain cypress.....	1 75
No. 7. Bluebird- or Tree Swallow-House. Cypress; four-faced; rustic trim	2 50
No. 8. Chickadee-, Downy Woodpecker-, or Nuthatch-House. Rustic; flat back.	2 75
No. 10. Wren-House with variegated slate roofing.....	1 50
No. 116. Seed Feeder. Hanging 8½ in. high, cypress. To attract your feathered pets.....	95

Bird-Baths accentuate beauty-spots in the garden, and attract the beautiful feathered folk with their brilliant color. Bird-baths, usually, are made of pottery or stone, in a great many designs and are weatherproof. They are mostly built in two pieces, the pedestal and bath. They are priced from \$9 up, varying in height from 22 to 42 inches, and in width from 17 to 27 inches. For slight additional cost, the baths may be piped for running water. As the best all-round model we suggest No. 57. Tuscan stone. 22 in. high, 19½ in. wide, \$9.50 complete.

Bird-Bath Inserts give bird-baths a touch of the statuesque. They are built of the same material as the bird-baths.

The Fish, No 72, 18 in. high, 6½-in. dia. \$7 50

The Frog, 9 in. high, 10-in. square base. . 6 50

The Goose Boy, No 54, 15 in. high, 6½-in. diam. 7 00



Fencing, Border. A miniature wire fence of durable construction that is both ornamental and protective. Heavily galvanized pickets project 4½ inches into the ground. The cross wires are made from two heavy stranded wires. Easily set up and taken down and good for many seasons. Height 22 inches with four cross cables. Each

15-ft. roll (weight 15 lbs.).....	\$2 10
25-ft. roll (weight 20 lbs.).....	3 25
50-ft. roll (weight 40 lbs.).....	6 00
100-ft. roll (weight 80 lbs.).....	11 00
165-ft. roll (weight 135 lbs.).....	16 50

We are authorized distributors for

DUBOIS WOVEN WOOD FENCE

the lovely rustic French fence made of split, live chestnut saplings closely woven together and bound with heavy, rust-proof Copperweld wire. Excellent for enclosing a garden or lawn, screening laundry-yards, preventing trespass. Lasts a lifetime.



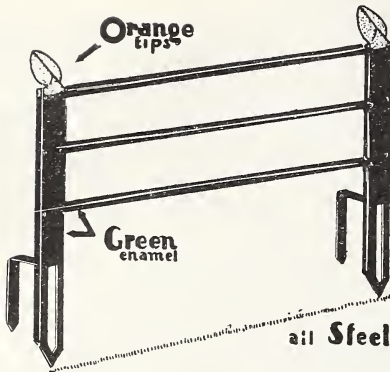
Comes ready to erect, in sections 5 feet wide, and in the following heights:

Per Running Ft.	Walk Gates (3 ft. wide) Each	Double Drive Gates (10 ft. wide). Per Pair
3 ft., 10 in. \$1 45	3 ft., 10 in. \$18 50	3 ft., 10 in. \$40 00
4 ft., 11 in. 1 65	4 ft., 11 in. 19 50	4 ft., 11 in. 42 50
6 ft., 6 in. 1 95	6 ft., 6 in. 21 50	6 ft., 6 in. 45 00
18 in. (for flower beds) ..	75	

All prices net F.O.B. New York. Prices of gate include hardware.
Gates come either curved or straight across the top

Rustic cedar framework, ready-to-erect, consisting of 4-inch diam. posts and 3-inch diam. cross rails, all mortised and tenoned. For either 4 ft. 11 in. or 6 ft. 6 in. Dubois Fence, priced at 40 cts. per running foot.

Garden Furniture



Fencing, Launet. A new, simple, and very attractive border fence for flower-beds, lawn-borders, specimen plants, etc. Eliminates the broomstick, cord, and white cloth flags. Protective, portable, artistic, and effective. Easily assembled and can always be added to as the occasion requires.

No. 12. 14 in. high, section 1 ft. long and comprises 1 post and 2 crossbars. 15 cts. per section; bundle of 5 sections 75 cts.; 5 bundles (25 sections), \$3.25.

No. 18. 17 in. high, section 18 in. long and comprises 1 post and 2 crossbars. 20 cts. per section; bundle of 5 sections \$1; 5 bundles (25 sections), \$4.50.

No. 24. 24 in. high, section 2 ft. long, and comprises 1 post and 3 crossbars. 25 cts. per section; bundle of 5 sections \$1.25; 5 bundles (25 sections), \$5.75.

Gazing-Globes. Another distinctive feature for any well-groomed garden. Fine quick-silvered spheres ranging 8 to 16 inches in diameter and \$10 to \$24 in price. Pedestals of stone and of diverse designs range in height from 18 to 38 in. and in price from \$3.50 up. No. 7812 Stand is \$6; No. 7804 Globe is \$18.

Sun-dials, in addition to their beauty in a garden, offer an interesting use. They comprise either a stone or wooden pedestal and a solid bronze face. The dials are of round, square, or octagonal construction and range in price from \$10 up, while the Pedestals are \$12.50 up. We recommend No. 48, Stone Pedestal, 36 in. high, 13 in. top, with No. 879 Round Dial, 11-in. diam, \$28 complete. No. 4229, 8-in. octagonal bronze dial and No. 49 pedestal for \$32.50 complete.

Tree-Guards prevent the bark of young trees from becoming damaged. Made of woven galvanized wire. Ready to set up by clasp-ing the hooked ends.

No. 2. 3 x 6 in. mesh; diam. 9 in.; height, 72 in. \$2 each; \$20 per doz.

No. 3. 3 x 6 in. mesh; diam. 12 in.; height, 72 in. \$2.50 each; \$25 per doz.

Trellises for all occasions. Straight and fan-shaped; simple and intricate.

No. 10. 3 ft. high; small; straight; green. 25c.

No. 20. 5 ft. high; fan-shaped; white. \$1.75.

No. 30. 6 ft. high; fan-shaped; white. \$2.

No. 40. 8 ft. high; fan-shaped; white. \$2.25.

No. 7. 6 ft. high; width 16 in.; white. \$1.15.

No. 57. 8 ft. high; width 2 ft.; white. \$2.15.



Weather-Vanes are as necessary to a garden as a clock is within the house. Can be mounted on the roof of the garage, residence, or greenhouse or on the radio pole. Sil-

houette types are the vogue and the cost varies, depending upon the figure selected. We particularly offer excellent value in No. 12 Arrow. Made of copper gilded

with goldleaf, with 15-in. arrow for \$9; The Gardener, as above, \$27.50.

New Method—HOTKAPS—Protect Plants

Better than coldframes, they insure against damage by late spring frosts; they protect against wind, rain, and hail; they guard against insects. By the use of Hotkaps, crops may be matured sooner. Hotkaps are made of strong, weather-proof paper, and are quickly placed in position over newly sown seeds, or newly transplanted seedlings, by means of a "Setter," and they are fixed by drawing a little soil around the edge.

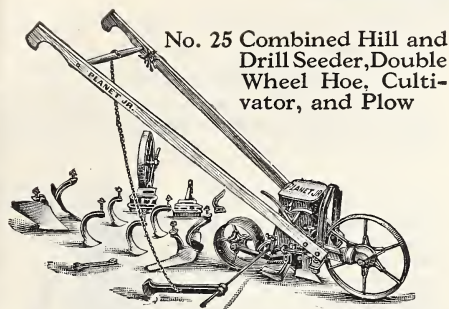
Protect tomato plants, pepper and eggplants with Hotkaps. Corn may be sown earlier and will yield sooner with their help. Cucumbers, muskmelons, pumpkins, and squashes grow quickly and are shielded from borers. Tomato, pepper, and eggplant seeds may be sown directly in the ground, and, protected by Hotkaps, they will yield a full crop. \$1.50 per 100; \$6.50 for 500; \$11.50 per 1,000. Setter for placing Hotkaps in position, \$2.50 each.

Trial Offer: 50 Hotkaps with special Garden Setter, \$1.50.



Hotkaps help the Muskmelon Crop

Planet Jr. Tools



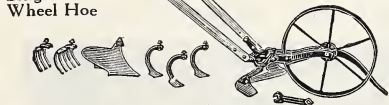
No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator, and Plow

It is large enough for field use, for it holds 2½ quarts. As a Drill it will sow 4, 6, 8, 12 or 24 inches apart. Accurate in sowing all kinds of garden seed in either hills or drills. As a wheel hoe it is identical with the No. 12 Double Wheel Hoe. Price, No. 25, as in cut, \$21.50. 61 lbs. packed. Price No. 4, same as above but with single instead of double wheel hoe, one pair of 6-inch hoes, three cultivator teeth, plow, leaf-guard and marker, \$18. 50 lbs. packed. Price No. 4-D, Seeder only, \$14.25. 40 lbs. packed. Price, No. 3, Hill and Drill Seeder only, with 15-inch steel wheel, capacity 3 qts. \$17.50.

No. 16 Single Wheel Hoe, Cultivator Rake, and Plow

This has adjustable handles and quick-change steel frame. The tools are a plow for marking out, covering, and late cultivation; a pair of 6-inch shield hoes and three steel cultivator teeth; one large garden plow, one 7-inch rake, and one 4-inch rake. Price, No. 16, as in cut, \$9. 26 lbs. packed. Price, No. 17, without rakes and leaf-guard, \$7.75. 24 lbs. packed. Price, No. 17½, without plow, leaf-guard and rakes, \$6.75, 21 lbs. packed. Price, No. 18, hoes only, \$5.75. 19 lbs. packed. Price, No. 19, \$6. 21 lbs., packed.

No. 16. Planet Jr. Single Wheel Hoe



Fire-Fly Hand Garden Plow

This will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. For a small garden or poultry-yard. Price, \$4.25. 14 lbs., packed.

No. 235 Fertilizer Distributor

For golf greens, parks, estates, lawns, cemeteries, etc. Holds 90 to 100 pounds of commercial fertilizer and spreads it over a space 30 to 48 inches wide. A green can be completely covered in 10 to 15 minutes. Having one wheel in the center, there is no tracking or packing of material applied on previous trip. Is equally effective for an even distribution of either fertilizers or insecticides. Well adapted for around trees and shrubbery. Weight, 88 lbs. Drive wheel 24-in. diam., with 2-in. tire. \$45.

No. 220 Fertilizer Distributor

With 1-bushel hopper and 6 spouts. Easily adjusted and well balanced, \$27. 120 lbs. packed.

No. 11 Double Wheel Hoe Cultivator

Has steel frame and 14-inch wheels; straddles crops till 20 inches high, then works between. Price, No. 11, including 6 and 4½-inch hoes, 4 cultivator teeth, 1 pair plows, two 3-tooth rakes, two 5-tooth rakes, and two leaf-lifters, \$13.75. 39 lbs., packed. Price, No. 12, as in cut, less rakes and 4½-in. hoes, \$10.75. Price No. 13, same but with 1 or. 6-inch hoes only, \$8.



No. 12. Planet Jr. Double Wheel Hoe

12-Tooth Harrow and Cultivator

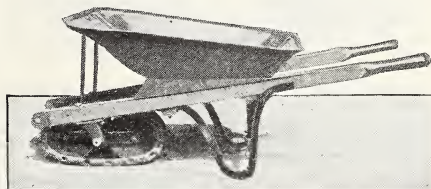
A high frame and 12 chisel-shaped teeth. Hand levers regulate width and depth; contracts to 12 and expands to 32 inches. Price, No. 90 (with steel lever wheel and pulverizer), \$17. 74 lbs. packed. No. 90-B (less pulverizer), \$14. 66 lbs. packed. No. 91, without wheel lever or pulverizer but with plain wheel, \$13.

No. 7 Horse Hoe and Cultivator

The cultivator teeth, hoes, etc., are steel that will retain an edge. The lever expander gives from 10 to 25 inches in width. Price, with four 3 by 8-inch steels, one 4 by 8-inch steel, one pair 6-inch hillers, one 7-inch shovel, lever expander, and lever steel wheel, \$15.75. 77 lbs. packed. With depth regulator additional, order as No. 8, \$16.25. 83 lbs., packed. With plain wheel, order as No. 9, \$14.25. 70 lbs. packed.

The Roadless Barrow

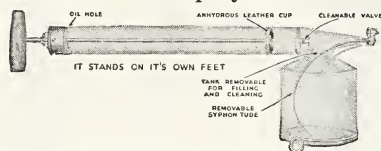
No need to avoid soft ground or to lay down planking. This Barrow will climb over door-sills, over piles of earth or rubbish, and will not make wheel-ruts in a lawn. Instead of the usual wheel, it has a simple, strong, light tractor unit. The track is self-cleaning and ejects any stones which fall on it. The Roadless Barrow pushes just as easy as a Wheelbarrow when empty, and much easier when loaded. There is no jar or vibration on rough surfaces. Will last a lifetime. \$22.



Forbes Sprayers

We list below the best Sprayers of each of the several types, but can supply Sprayers of all sizes and makes on special order.

Hand Sprayers

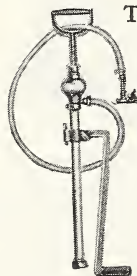


Will handle all the regular spraying materials rapidly, giving a fine, effective spray.

Atomizer. Pint bottle with brass tube through cork. Gives mist-like spray.....	\$1 25
No. 60. Midget. Tin. 1 pt.....	40
Whirlwind. Tin. 1 qt.....	60
No. 205. Tin. Continuous. 1 qt.....	1 00
No. 26-AG. Glass. Continuous. 1 qt.....	1 50
No. 26-C. Brass. Continuous. 1 qt.....	2 00

Nozzles

Auto-Pop. With shutoff valve.....	\$1 50
Auto-Spray. For Auto Sprays. Rose only.	75
Non Clog Junior. Brass with 3 discs.....	1 25
Bordeaux. Brass with shutoff valve.....	85



The Success Bucket Sprayer

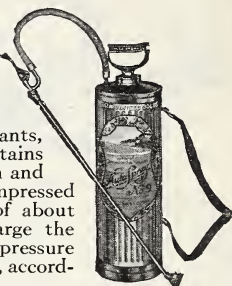
For the garden, small orchard, greenhouse, poultry house, garage, and washing windows, carriages, automobiles, and whitewashing. Made of brass except the foot-rest and hand-grip; with a large air chamber, is double acting, throwing a steady stream, solid or fine spray; can be used with any bucket. Weight, 10 pounds. Price includes nozzle and 3 ft. of $\frac{3}{8}$ -inch hose, \$7.

Auto Spray No. 3

12-gallon Wheelbarrow Sprayer with 2-inch wheel and traction attachment. No. 3-D, galvanized tank, \$20.

Auto Spray No. 9

This compressed air Sprayer will successfully spray whitewash, insecticides, disinfectants, cattle dip, etc. Contains three gallons of solution and about one gallon of compressed air. Two pumpings of about 15 strokes will discharge the entire contents under pressure in from 6 to 15 minutes, according to nozzle opening.



Equipment. Two feet of $\frac{1}{2}$ -inch hose, fine spray nozzle; solid stream cap and shutoff; 2-ft. brass extension rod and tank as selected. For high trees, order extra extension rod.

Dimensions. Auto Spray No. 9, diameter $7\frac{1}{2}$ inches; height 25 inches; capacity 4 gallons. Weight, empty 9 pounds; loaded 39 pounds; shipping weight, 11 pounds. Price (not prepaid), No. 9-B, brass tank with Auto-Pop Nozzle, \$9.75; No. 9-D, galvanized tank with Auto-Pop Nozzle, \$6.75. Extension Pipe, 2 ft. brass 60c.; Brass Strainer, for whitewash, \$1.20.

Bamboo Extension. Brass lined with stop cock, 8 ft., \$3.50; 12 ft., \$4.50.

Auto Spray No. 50

Recommended for women-folk on account of its light weight—6 lbs. empty, 23 lbs. loaded. Very much like Auto Spray No. 9 but holds $2\frac{1}{2}$ gals. Equipped with Auto-Pop Nozzle and 15 in. Brass Extension. Price No. 50-B, brass tank, \$9; No. 50-D, galvanized, \$6.25.

Grow Bigger, Better, Earlier Crops with Mulch Paper



Gator Hide Mulch Paper is tough, durable, and impregnated with a special grade of asphaltum. Unrolled over the plant-beds, it imprisons all moisture in the soil. Its black surface catches and holds the sun's heat, raises the soil's temperature, checks cooling at night. Plant through holes in the paper or between strips.

Do away with back-breaking weeding—make one acre produce what two did last year—get your crops in three weeks before your neighbors.

Free booklet—"The Miracle of Mulch Paper."

For Annuals, Type A, 900-ft. roll, 18 in. wide \$3.50; 36 in. wide \$7. For garden work, Type B, 450-ft. roll, 18 in. wide \$3.50; 36 in. wide \$7.

Lawn Equipment

Lawn Sprinklers

Anaconda. Has three 5½-inch brass arms. Height 10 inches; mounted on sled, 8 by 7¾ inches. Brass head. Water circle ranges from 40 to 44 feet. \$1.75 each.

C. B. G. One piece metal Sprinkler 4 inches in diameter 1½ inches high with a water-circle of 20 to 26 feet. 50 cts. each; \$5 per doz.

Dayton, Type A. Made substantially of brass, aluminum, and German silver. Rotary and oscillating. Can be set for half circle or full circle and has a radius of from 3 to 40 feet. Will operate on any pressure from 15 pounds up. Nozzle adjustable. \$9 each.

Double Rotary. Next best to rain. Mounted on sled. Built for long wear; all wearing parts enclosed. Rotary wheel of cast aluminum which will not rust. Gears made of steel and bronze and run in oil. Nozzle adjustable for fine or coarse spray, which will cover a diameter of 15 to 80 feet, according to pressure. No pressure will overturn it. \$13 each.

Fountain, Brass Ring. Simply a light, durable, perforated, brass ring. Economical; stands any pressure. 85 cts. each; \$8.50 per doz.

Rainbow. The best Sprinkler for low pressure. Has revolving brass arm and is mounted on a sled. No parts to get out of order. Waters a circle 30 to 50 feet in diameter. \$2.25 each.

Rain King. A unique Sprinkler. Makes circular or stationary spray. Can be adjusted to operate fast or slow, fine or coarse. Useful for large or small ranges. A double barrel type mounted on a sled. \$3.50 each.

Ready Showers. Not a revolving Sprinkler. Made with malleable iron base and perforated brass top. Has brass hose connection. Mounted on skids. \$1 each; \$10 per doz.

Water Fan. Throws a gentle, mist-like spray over a rectangular area. The plane of spray oscillates back and forth from an elevated pipe 22 inches in length, mounted on skids. It reaches 25 feet on either side. \$17 each.

Power Mowers

Special booklets with specifications on any of the following Power Mowers, mailed on request.

Coldwell Cub. 21-in. cut; 1½ h. p. motor..\$205

Coldwell "L" Junior. 25-in. cut; 2.8 h. p... 265

Coldwell "L" Twin. 25-in. cut; 2 cylinder... 345

Same with 30-in. cut..... 400

Moto-Mower. 21-in. cut; 2½ h. p.; complete\$195

Same with 27-in. cut, complete..... 290

Ideal Model 30. 30-in. cut..... 395

Ideal Junior. 22-in. cut..... 275

The above prices include local delivery

Horse or Tractor Mower

Worthington Triplex. Three 30-inch mowers, in a flexible gang, which follow the contour of the surface, cutting an 86-inch swath, \$365. Extra cutting unit, \$120 delivered.

Hand Mowers

	Diam. Wheels	Blades	Bearings	14-in cut	16-in. cut	18-in. cut
Coldwell—					\$19 00	\$20 00
Imperial.	10½ in., open	5	Roller.....	\$12 00	13 00	14 00
Interstate.	10 in., open	4	Ball.....	8 75	9 50	10 50
Metropolitan.	10 in., open	4	Ball.....	7 25	7 75	
Cadet.	8 in., solid	3	Bronze.....			
Trimmer.	Single wheel. 8 in., solid, 5 blades, ball bearings, weight 31 lbs., 8-in. cut					\$11.

Townsend—						
Victory.	10 in., open	4	Ball.....	\$16 50	\$18 25	\$19 50
Orange.	10 in., open	4	Ball.....	14 75	16 25	17 75
Spider.	9 in., open	4	Ball.....	12 50	13 75	15 00
Flyer.	9 in., open	4	Ball.....	10 75	12 00	13 25

Gleaner. 9 in., open, 4 blades, ball bearings, 8-in. cut, \$9; 10-in. cut, \$10.

Grass Catchers. For mowers having cut from 12 to 18 inches. Galvanized bottom and heavy duck sides. \$2 each; \$20 per doz.

Rollers

Lawn, Cast Iron. Drums made of five spoke wheels with ground smooth face and steel roller bearings. Outer edge rounded to prevent cutting the sod. Handles have balance weights which keep them off the ground and add weight. Easily operated.

No.	Sections	Diam.	Section Width	Length	Weight	Each
No. 1.	2	15 in.	7½ in.	15 in.	150 lbs.	\$20 00
No. 4.	2	20 in.	10 in.	20 in.	250 lbs.	27 00
No. 6.	3	20 in.	8 in.	24 in.	300 lbs.	33 00
No. 11.	3	24 in.	8 in.	24 in.	450 lbs.	44 00
No. 14.	3	28 in.	8 in.	24 in.	500 lbs.	50 00

Lawn, Water Ballast. Three heavy steel plates are pressed together and electric welded forming one solid steel drum with no leaky joints. Scraper supplied as a part of each handle to keep roller clean. Drum has rounded edges. Easy to operate. Can be filled with water or sand.

No.	Diam.	Length	Weight Empty	With water	Each
No. 2.	14 in.	24 in.	60 lbs.	175 lbs. with plain bearings.....	\$13 50
No. 4.	18 in.	24 in.	82 lbs.	265 lbs. with plain bearings.....	16 50
No. 7.	24 in.	24 in.	110 lbs.	420 lbs. with roller bearings.....	20 00

Garden Books

By those who have and love gardens and by those who would love to have gardens, these books will be keenly enjoyed. If to be mailed, add 15 cts. per copy for postage.

Annals of Flowerland, The. By A. T. A. Quackenbush. A charming book of the myth and love of the flower families. 166 pp. \$1.50.

Annals, The Book of. By A. C. Hottes. Helpful, illustrated guide to the handling of annual flowers and vines for seeding, transplanting, and pinching in. Gives the description, arrangement, use, and culture. 182 pp. \$1.50.

Around the Year in the Garden. By F. F. Rockwell. Written by a practical amateur grower for the busy man or woman who must use every hour in the garden to the best advantage. 350 pages. Well illustrated. \$2.50.

Bulbs, Book of. By F. F. Rockwell. The sorts and uses of usual and rare spring, summer, and fall bulbs, indoors and out, including gladiolus, peony, iris, dahlia, and begonia. 264 pp. \$3.

Bulbs that Bloom in the Spring. By T. A. Weston. All the home gardener should know about fall bulbs for spring display. \$2. Paper bound, \$1.50.

Climbing Plants, A Little Book of. By A. C. Hottes. Cultural directions for over 100 beautiful climbers. 250 pp. \$1.75. Paper bound, \$1.50.

Dahlia Culture, Modern. By W. H. Waite. Brief, complete advice how to plant, enrich, propagate, disbud, store and show dahlias, with lists of don'ts for their health. 132 pp. \$1.50.

Dahlias. By F. F. Rockwell. Describes the different types, their uses in the garden, how to plant, grow and fertilize them, how to control pests, to store the tubers, to grow for exhibition, to propagate and hybridize. Illustrated. 80 pp. \$1.

Design of Small Properties. By M. E. Bottomley. More than 50 examples of layouts for the general development of small city and country homes are presented. Describes trees, shrubs, vines, and flowers with directions for their planting and maintenance. 233 pp. \$3.

Evergreens for the Small Place. By F. F. Rockwell. Practical suggestions. Illustrated. \$1.

Fertilizers. By E. B. Voorhees. The source, character, and composition of natural, home-made, and manufactured fertilizers and how to use them. 310 pp. \$2.50.

Flower Arrangement, Principles of. By Ed. A. White. Seasonable flowers and how to arrange them in receptacles according to the laws of form and color, and the art and canons of Japan. Decoration of rooms. 225 pp. \$3.

Flower Garden, The Practical. By Mrs. H. R. Ely. A very useful and practical book, finely illustrated, new edition. 304 pp. \$2.

Flower Garden, The Woman's. By J. L. Kift. Practical and interesting information on outdoor and indoor flower plants. 160 pp. \$1.25. Paper bound, \$1.

Foundation Planting. By Leonard H. Johnson. The art and science of beautifying the immediate frontage of the house with plants. Profusely illustrated. 256 pp. \$3.50.

Home Flower-Growing. By Prof. E. C. Volz. A book for the person who would grow flowers and decorative plants, at home, for pleasure. 364 pp. Well illustrated. \$3.50.

House Plants, Milady's. By F. E. Palmer. Tells of the plants which any woman can successfully grow indoors; 100 instructive pictures. 176 pp. \$1.25. Paper bound, \$1.

Lilies, Garden Cinderellas. By H. M. Fox. An illustrated guide for the amateur in growing all kinds of lilies successfully; their history, propagation, hygiene, with depth directions for planting. 269 pp. \$5.

Gardener, The. By L. H. Bailey. The author's latest book, giving in alphabetical order clear and concise directions for the growing of flowers, fruits, vegetables, etc., in the garden and house. A most valuable book. 260 pp. \$2.

Garden Guide. By De La Mare. A compact book of knowledge of gardening; 30 subjects covered by eleven experts; 275 illustrations, especially good on pests. 388 pp. \$1.50. Paper bound, \$1.

Gardening, City and Suburban. By C. C. Sherlock. A complete aid for planning the home property, with many plans. 186 pp. \$2.



Garden Books

Gardening, Manual of. By L. H. Bailey. Practical work on the diseases, pests, propagation, and growing of ornamental and useful plants as well as their arrangement. 539 pp. \$3.

Gardening under Glass. By F. F. Rockwell. Written especially for the amateur and showing him how he can have fruits and vegetables of superb quality out of season, roses and carnations in midwinter, palms and ferns all the year around. Illustrated. 304 pp. \$2.50.

Gardening with Peat Moss. By F. F. Rockwell. Peat Moss; what it is and how used for seedlings, lawns, roses, evergreens, bulbs, hardy perennials, and house plants. 72 pp. \$1.

Gladiolus. By F. F. Rockwell. How to plant, breed, multiply, harvest, and store gladiolus, to judge, arrange, and keep them healthy. \$1.

Horticulture, Standard Cyclopaedia of. By L. H. Bailey. Three volumes, more than 3,600 pages, covering 40,000 plant names. \$25.

Iris. By F. F. Rockwell. Shows new uses and possible garden effects. Describes all of the types, tells the best soils, how to fertilize, plant and care for them. Illustrated. 80 pp. \$1.

Landscape Gardening, Practical. By R. B. Cridland. Of particular value to the owner of the moderate-sized suburban home. Nicely illustrated. 280 pp. \$2.50.

Lawns. By F. F. Rockwell. Shows how to start a lawn right and to keep it smooth and velvety. Covers laying out, grading, fertilizing, seeding, care, weed-control, and remaking old lawns. Illustrated. 87 pp. \$1.

Lilies, Consider the. By W. E. Marshall. Replete with authentic information on both the well-known varieties and the uncommon sorts. A really interesting book, generously illustrated in natural colors. \$1.

Nursery Manual, The. By L. H. Bailey. Complete guide to the multiplication of plants. \$2.50.

Ornamental Trees, The Care of. By C. F. Greeves Carpenter. Interesting, compact book for the use of the owner in checking the work of the tree surgeon and help him to do his own surgery. 70 pp. \$1.25.

Perennials, The Little Book of. By A. C. Hottes. A book for the design and upkeep of herbaceous borders, rock, fern and wild gardens, with lists of plants for special uses. 200 pp. \$1.50. Paper bound, \$1.

Plant Propagation, Practical. By A. C. Hottes. An exposition of the art of increasing plants as practiced by the florist and gardener. \$2.

Pruning, Manual of. By L. H. Bailey. Standard handbook on the principles and practice and time of pruning trees, shrubs and vines, including Baltet tables. Stops the havoc of wrong pruning. 400 pp. \$2.50.

Rock Garden Primer. By Archie Thornton. Covers rock gardening under American conditions from A to Z in a very interesting, instructive and accurate way. Well illustrated, with some in color. \$2.

Rock Gardens. By F. F. Rockwell. Tells just where and how to make a rock garden, what plants to use and where to put them. Illustrated. 86 pp. \$1.

Rock Gardening, A Simple Guide to. By Sir J. L. Cotter. A practical book of rock, wall and bog-garden-making, giving method and choice of planting material and its culture. 126 pp. \$1.

Roof Gardening. By Ida Mellen. The experiences of one of the successful pioneers showing how to enjoy a roof garden atop a big city apartment house or home, where a real garden is impossible. 116 pp. \$1.25.

Roses and Their Culture. By S. C. Hubbard. The object of this book is to present in clear and concise manner to the amateur in particular, the simple requirements of the rose. 128 pp. \$1.25.

Roses, How to Grow. By Pyle, McFarland, and Stevens. Makes every step in the culture and care of roses so clear that any grower can understand it and succeed with them. A completely re-written 17th edition of America's most popular rose book. 138 illustrations, 45 in color. 211 pp. \$2.

Rose in America, The. By J. Horace McFarland. Beautifully illustrated in color and sepia, this new and enlarged edition will have an important place on every rose fancier's book shelf. 232 pp. \$3.

Roses in the Little Garden. By G. A. Stevens. Covering all phases of rose-culture, with selections for different purposes. Clear directions for planting, pruning, fertilizing, and protection from enemies. Practical and up-to-date. \$1.75.

Shrubs. By F. F. Rockwell. Excellent inexpensive book on proper shrub planting for the small house; the selection, planting and care, with lists for different purposes. 76 pp. \$1.

Shrubs, Book of. By A. C. Hottes. Where, when, and how to plant for color, flower, and fruit succession for amateur and professional; lists for special uses and tables. 384 pp. \$3.

Spraying, A Manual for. By K. L. Cockerham. A practical reference and guide for the spraying, dusting and fumigation of plants for all insect pests and diseases. 87 pp. \$1.25.

Spraying, Dusting, and Fumigating of Plants. By A. F. Mason. Handbook on how to identify and control pests, and to choose spray materials and sprayers. 570 pp. \$5.

Standardized Plant Names. By the American Joint Committee on Horticultural Nomenclature. The practical, comprehensive and authoritative index to the right names—both common and scientific—of plants known to horticulture. 45,000 plant names. 548 pp. \$6.

1001 Garden Questions Answered. By A. C. Hottes. An up-to-date and practical book on every phase of gardening in the form of questions and answers including even such subjects as judging shows and plant breeding. 320 pp. \$2. Paper bound, \$1.50.

Turf for Golf-Courses. By Prof. Piper and Oakley. This is an authoritative and practical treatise on the production and maintenance of grass and turf. 262 pp. \$2.50.

Vegetable Gardening. By A. Kruhm. Written especially for the home garden; tells what and when to plant and how to care for them. \$2.

Water Gardens and Goldfish. By Sawyer and Perkins. How to have a small pool, water-lilies and plants, well-grown and healthy; gold-fish and how to feed, breed, and doctor them, with aquarium management. 112 pp. \$1.50.

Water-Gardening, Book of. By Peter Bisset. The history and culture of water-lilies and other water plants; also the arrangement and best kinds of evergreens, shrubs, and perennials for the borders and backgrounds of pools. \$5.

Insecticides and Fungicides

Prices are subject to change without notice

The directions for use of each of these materials will be found printed on each package. Only those items prefaced by an asterisk (*) may be shipped by Parcel Post.

- Ansect.** Has 71 per cent killing power on rose and mealy bugs. Use 1 part to 30 to 50 parts of water. Very thorough spraying is essential. 4-oz. can 30 cts.; pt. \$1; qt. \$1.60; gal. \$5; 5 gals. \$21.
- ***Ant Killer.** Effective against ants and other insects that infest lawns, but is harmless to lawns. Sprinkle a small quantity around the ant-hills. 4½-oz. can 50 cts.
- Antrol.** Adopted by U. S. Government as best method of ant-control in homes or gardens. The syrup attracts ants to jar; they eat it and carry it back to their nest, where queen ant eats it and entire colony is destroyed. House Sets (4 jars and 4 ozs. syrup) 95 cts. Extra jars, 15 cts. each. Syrup, 4 ozs. 45 cts.; pt. 95 cts.; gal. \$3.75.
- Aphine.** Readily soluble in water, applied as a spray, wash, or dipping solution. Destroys plant lice, aphids, red spider, etc. Use from 2 to 4 tablespoonfuls to 1 quart of water according to directions. ½pt. 40 cts.; qt. \$1; gal. \$3; 5 gals. \$13.
- ***Aphistrogen.** A complete spray that quickly rids your plants of aphids and plant lice. It is invisible, non-poisonous, and will not yellow the foliage. 2 ozs. 50 cts.; ½lb. \$1.25; lb. \$2.25; 2 lbs. \$3.50; 12 lbs. \$15.
- Arsenate of Lead, Dry.** For spraying trees and shrubs against attacks of leaf-biting insects. It adheres to, but does not injure foliage. Remains well suspended in solution, insuring even distribution. Being white it shows just where it has been applied. Use 1 lb. to 50 gals. of water. ¼lb. 30 cts.; lb. 50 cts.; 4 lbs. \$1.50; 8 lbs. \$2.75; 25 lbs. \$8; 50 lbs. \$12.
- “**Black Leaf 40.**” An effective soluble insecticide for sucking insects such as plant lice, aphids, red spider, leaf hopper, thrip, etc. Dilute 2 teaspoonfuls to 1 gal. of water, and spray. Leaves no stain either on fruit or foliage. 1-oz. bottle 35 cts.; ½lb. \$1.25; 2 lbs. \$3.50; 10 lbs. \$13.50.
- Bordeaux Mixture, Dry.** A fungicide for mildew, blight, rust, scab, and all fungous diseases. Has double the strength of paste form. Use 1 lb. to 5 gals. of water. ½lb. 25 cts.; lb. 40 cts.; 4 lbs. \$1.25; 8 lbs. \$2.25; 25 lbs. \$5.75; 50 lbs. \$10.
- Calcium Arsenate.** Known for its high arsenic content. It is probably the most effective arsenical insecticide on the market. For spraying potatoes and tobacco, and is the best remedy for cotton boll-weevil and the Mexican bean beetle. ½lb. 20 cts.; lb. 35 cts.; 4 lbs. \$1; 8 lbs. \$1.75; 25 lbs. \$4; 50 lbs. \$7.
- Cut-Worm Killer.** Sprinkle near plants affected. Worms prefer its enticing odor to vegetation. 1 lb. covers 100 feet of plants in rows, 175 plants in hills. Lb. 50 cts.; 5 lbs. \$2; 25 lbs. \$6; 100 lbs. \$20.
- Cyanogas. (A) Dust.** For outside use in killing all rats, moles, woodchucks, gophers, and ground squirrels. Also effective for destroying white grubs and crayfish in lawns. Lb. 75 cts.; 5 lbs. \$3; 25 lbs. \$10.
- ***Ever Green.** Effective against cutworms, cucumber beetles, cabbage worms, rose slugs, aphids, thrip, etc. Will not injure tender plants or roses. It is safe to use because it is a non-poisonous material. Oz. 35 cts.; 6 ozs. \$1; 16 ozs. \$2; 32 ozs. \$3.50; gal. \$13.
- ***Fish-Oil Soap (Whale Oil Soap).** An excellent summer spray for San José scale and all soft-shelled insects. Makes a good wash for trees where bark is affected by insects. Lb. 30 cts.; 5 lbs. \$1.25; 25 lbs. \$5.
- Fungtrogen.** An effective and scientific preventative and remedy for mildew, black-spot, and many fungous diseases of roses and other plants. Valuable for rust on carnations and snapdragons grown under glass. It is invisible on the foliage or blooms. ½pt. 75 cts.; pt. \$1.25; qt. \$2; ½gal. \$3.50; gal. \$6.
- ***Grape Dust.** A powdered fungicide very efficient in destroying powdery mildews on grapes and roses and in preventing blights in greenhouses and in the open. Lb. 30 cts.; 5 lbs. 85 cts.; 10 lbs. \$1.60; 25 lbs. \$3.75.
- ***Hellebore.** In powder form. Effective against currant and cabbage worms, rose slugs, etc. ½lb. 30 cts.; lb. 55 cts.; 5 lbs. \$2.50.
- Insectrogen.** A highly effective insecticide for leaf-eating insects, as caterpillars, slug worms, Japanese beetle, etc., and has definite fungicidal value for black-spot on roses. Destroys leaf-tier on chrysanthemums grown under glass. 4 ozs. 60 cts.; ½pt. \$1; pt. \$1.75; qt. \$2.75; ½gal. \$4.50; gal. \$8.
- Lime-Sulfur, Dry.** Less bulky, lighter, more convenient to handle, will not freeze and cheaper than Lime-Sulfur Solution. 10 lbs. Dry is equivalent to 1 gal. of Lime-Sulfur Solution. For dormant spray use 10 to 14 lbs. to 50 gals. of water; for summer spray 2 to 3 lbs. to 50 gals. of water. Lb. 40 cts.; 5 lbs. \$1.75; 10 lbs. \$3.25; 25 lbs. \$6; 50 lbs. \$10; 100 lbs. \$19.
- Nico-Fume Liquid.** Use 1 part to 500 parts water; one tablespoonful to 1½ pints of water. ¼lb. 75 cts.; lb. \$2.25; 4 lbs. \$7.50; 8 lbs. \$14. (Weighs about 8 lbs. to the gal.)
- Nico-Fume Tobacco Powder.** Destroys aphids in fumigating greenhouses. Lb. \$1.25; 5 lbs. \$4.50; 10 lbs. \$8.
- ***Nu-green.** A grass disinfectant for brown patch prevention and control. 3 ozs. 50 cts.; lb. \$2; 5 lbs. \$9; 25 lbs. \$37.50; 100 lbs. \$145.
- Para Dichlorobenzene.** Best for peach borer. Covered with soil surrounding the tree, it emits a heavy gas which descends throughout the root growth and destroys the pests. Lb. 75 cts.; 5 lbs. \$2.75; 10 lbs. \$5.
- Paris Green.** Kills bugs, worms, and slugs. Used as powder; mix 1 part to 100 parts of flour; or in solution 1 pound to 200 to 300 gals. of water. ¼lb. 15 cts.; lb. 55 cts.; 5 lbs. \$2.50.
- ***Pyrethrol.** For killing Japanese beetle and many other insects. Dilute 1 pound to 4 gallons water and spray. Will not stain. Non-poisonous. ½lb. 50 cts.; 2 lbs. \$1.50; 10 lbs. \$6.

Insecticides and Fungicides

Prices are subject to change without notice

- Pyrox.** Mix 1 pound to 5 gallons of cold water. Safe all-round spray for killing leaf-eating insects; prevents blight and fungous troubles on potatoes, vegetables, roses, fruit trees, etc. Lb. 50 cts.; 5 lbs. \$1.75; 10 lbs. \$3.25; 25 lbs. \$6.50; 50 lbs. \$11.25; 100 lbs. \$18.
- *Radiobligh Soap.** For delphiniums, carnations, roses, chrysanthemums, snapdragons, celery-rust, boxwood, rhododendrons, vines and hollyhocks. Controls blight, smut, red spider and fungoid diseases. Dissolve one pound in 5 gallons of water. Spray after sunset on cloudy days for smut and disease. Lb. \$1.25; 5 lbs. \$5.75; 10 lbs. \$10.
- Red Arrow Insect Spray.** Effective and non-poisonous. Will not stain or injure tender flowers. A contact spray that will kill both sucking and chewing insects. Oz. 35 cts.; ½ pt. \$1.75; qt. \$6; gal. \$22.
- Scalecide.** For San José scale. Non-poisonous preparation. Mix 1 gal. to 20 gals. of cold water. Use in late fall, winter or early spring, when foliage is off. Qt. 75 cts.; gal. \$1.75; 5 gals. \$6.25; 10 gals. \$10.60; 50 gals. \$38.
- *Semesan.** Successful for the malignant grass disease called "Brown Patch," on golf-courses, turf courts, and lawns. 2 ozs. 50 cts.; lb. \$2.75; 5 lbs. \$13; 25 lbs. \$56.25.
- *Semesan Bel.** Will prevent or control the common seed-borne potato diseases. 1 lb. \$1.75; 5 lbs. \$8; 25 lbs. \$31.25.
- *Semesan, Jr.** Effective for the disinfection of corn seeds against the ear, root, and stalk rots. 4 ozs. 50 cts.; lb. \$1.75; 5 lbs. \$8; 25 lbs. \$31.25.
- *Slug-Shot.** A non-poisonous powder, applied by dusting on the plants. Non-injurious to animals or fruit and vegetables treated. Effective remedy for potato bugs, beetles, slugs, cabbage worms, etc. Lb. 25 cts.; 5 lbs. 75 cts.; 10 lbs. \$1.20; 25 lbs. \$2.75; 125 lbs. \$12.50; per bbl. of 250 lbs. \$24.
- *Snarol.** Kills garden pests quickly. Stops damage by cutworms, snails, grasshoppers. Broadcast on ground, harmless to animals and fowls. Lb. 45 cts.; 3 lbs. 95 cts.; 15 lbs. \$3.50; 50 lbs. \$9.50.
- *Terogen.** A summer and autumn ground-dressing and soil disinfectant. It destroys the spores of most fungous diseases and the larvæ of rose-pith borers, rose bugs, aphids, and beetles which have fallen to the ground. Helps to prevent chlorosis. In semi-powdered form. Lb. 75 cts.; 2 lbs. \$1.25; 5 lbs. \$2.75; 10 lbs. \$4.75; 25 lbs. \$11; 100 lbs. \$40.
- *Tobacco Dust (Fine).** For fumigating, dusting and a preventive against insects in ground around roots of trees. Lb. 15 cts.; 5 lbs. 50 cts.; 25 lbs. \$1.25; 50 lbs. \$2.25; 100-lb. bag \$4.
- *Tree Tanglefoot.** A sticky compound to protect trees from attacks of creeping insects. One application remains soft three months in all weathers; expands with trees. One lb. makes 10 lineal ft. of band. Lb. 60 cts.; 5 lbs. \$2.75; 10 lbs. \$5.25; 25 lbs. \$11.
- Wilson's O. K. Plant Spray.** An excellent general contact spray for garden or greenhouse. Dilute 1 qt. to 10 gals. water. ½ pt. 40 cts.; qt. \$1; gal. \$3; 5 gals. \$12; 25 gals. \$50.

Weed Killers

There is nothing more annoying to the well-kept home grounds than weeds constantly coming up in the roadways, paths and gutters. These weed killers are harmless to stone, wood-work or shoes and are perfectly odorless.

Herbicide. Dilute with water, 1 gal. making 30 gals. of liquid, 1 gal. of which will cover about 25 sq. ft. of ground. For tennis courts, drives, etc. Kills all plant growth. Qt. 70 cts.; gal. \$2; 5 gals. \$7.50; 10 gals. \$12.50; 30-gal. drum \$30; 50-gal. bbl. \$45.

Non-Poisonous Weed Killer. Kills weeds safely and economically. Harmless to humans and animals. Qt. 70 cts.; gal. \$2; 5 gals. \$7.50; 10 gals. \$12.50; 50 gals. \$45.

Worm Eradicator, Electric

To rid greens, courts, or lawns of worms, apply evenly on a warm day. Dilute 1 gallon with 200 to 500 parts of water and drench the turf. The worms will come to the surface and die. Four gallons of Reade's Electric will treat one putting green. Pt. \$1; gal. \$5; 5 gals. \$17.50; 10 gals. \$34; 50 gals. \$150.

Chickweed Eliminator, Purfeck

This preparation, mixed with water and sprayed on the chickweed in your lawn, will completely eliminate it in two weeks without injuring the lawn grass. Avoid spraying during hot weather. Qt. 75 cts.; gal. \$2; 5 gals. \$9.

CASIM will rid your Lawn of Crab-Grass

This new product offers a practical, scientific method of crab-grass control. An exhaustive study of this lawn pest determined that crab-grass would not live on soil in which certain soil elements predominated. Casim, a mixture of these elements in powder form, is applied as a top-dressing, using 100 pounds to 150 square feet. A single application, made three years ago, decreased the crab-grass 70 per cent the first year, another 10 per cent the second year, and another 10 per cent the third year. One application is believed to last six years. Casim will not burn the lawn grass. 100 lbs. \$2.75; 500 lbs. \$12; 1,000 lbs. \$23; ton \$44.

Forbes Fertilizers and Soil-Builders

The success of your garden depends upon the quality of the soil. All plants need ample plant-food. By ample is meant not only the quantity but also the availability. The soil must hold plant-food and moisture yet be in such condition that the plant roots can absorb what is needed. It should be sufficiently rich in humus or decayed vegetation to absorb excess moisture and hold it for later use. It should have enough clay to give it some body and enough sand to make it porous and friable. But even with a perfect soil, plant-food must be added each year to replace that which is consumed. The materials offered below are the best ones to help keep the soil in condition.

Forbes Complete Garden Fertilizer

This is the best for vegetables, flowers, and fruit, or for general garden use. It is a high-grade, well-balanced, complete fertilizer containing all the food elements needed for the quick growth, early maturity, and perfect development of vegetables and flowers. It is easily handled, being in dry, powdered form and is free from any objectionable odor.

Mix a little thoroughly through the soil in the bottom of the furrow before planting your seeds. Hoe it into the soil between the rows of plants, using about 5 pounds to 100 feet, and repeat this each month. Work a handful into the soil around the hills of beans, corn, cucumbers, melons, etc., and also when planting dahlias, peonies, peppers, tomatoes, etc. Scatter some around your shrubs and trees and rake it into the surface soil. After plowing or digging, and before harrowing or raking, apply 1,500 to 2,000 pounds to the acre, or about 25 pounds for every 500 square feet. Forbes Complete Garden Fertilizer is rich in potash and phosphoric acid and should be used even though manure, which is deficient in these but rich in nitrogen, has been applied. 5 lbs. 50 cts.; 10 lbs. 90 cts.; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$19; ton \$65.

Bone-Meal

This is excellent for top-dressing lawns. As the feeding rootlets of plants assimilate their food in liquid form, a fertilizer that disintegrates slowly before it becomes soluble will supply plant-food over a long period of time. Because of its slow disintegrating and long-lasting qualities, Bone-Meal is very desirable for fertilizing all hard-wooded plants, including roses, flowering shrubs, fruit bushes, and trees.

A liberal application of Bone-Meal mixed into the soil before planting bulbs of tulips, hyacinths, etc., will result in remarkable size and brilliancy of the flowers. For lawns it is a dependable fertilizer, as it contains the essential elements that grass requires. It may be broadcast as a top-dressing at any time either in early spring or during the growing season with beneficial results. For this use 1,000 lbs. per acre or 25 lbs. for every 1,000 sq. ft. For trees and vines, use 2 to 4 lbs. each. For roses and pot plants, use 1 part to about 50 parts of soil. For field and garden crops or in making new lawns, use 1,500 to 2,000 lbs. per acre, or about 50 lbs. for every 1,000 sq. ft. of lawn. 5 lbs. 50 cts.; 10 lbs. 90 cts.; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$19; ton \$65.

Forbes Perfection Lawn Dressing

To maintain a fine lawn in the best of condition, it is necessary to add plant-food in the form of a well-balanced fertilizer. The removal of the grass clippings after each mowing robs the lawn of one of its sources of plant-food. Top dress your lawn twice each year, once before the new spring growth commences and again in the fall before active growth stops. This practise will induce deep, thick root-growth which will enable the lawn to better withstand the hot, dry summer months. You will also see a marked improvement in the color and fine texture of the lawn grass. Top-dressing with commercial fertilizer will materially help to rid the lawn of weeds. It will greatly increase the number of fine rootlets under the lawn, and these, forming a compact root-mat, will strangle and destroy all the coarse weed-growth. Forbes Perfection Lawn Dressing adds more plant-food than twice its value in stable manure, the use of which should be avoided as it brings weed seeds to your lawn. On a new lawn, broadcast 1,500 to 2,000 pounds per acre or 25 pounds for every 500 square feet. For top-dressing, apply evenly 1,000 pounds to the acre or 25 pounds for every 1,000 square feet. In hot weather, use half this quantity and water in thoroughly with a hose. 5 lbs. 50 cts.; 10 lbs. 90 cts.; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$19; ton \$65.

Sheep Manure

Among the organic fertilizers, Sheep Manure is the most valuable. It contains all the essential plant-food elements of stable manure without the bulk and waste matter. It is assimilated rapidly by plant-life and promotes a healthy and vigorous growth. Sheep Manure is dried, screened, sterilized, ground and pulverized. The Flower- and Vegetable-Garden is particularly benefited by the use of Sheep Manure. Spread at the rate of 100 lbs. to 1,000 sq. ft., or 2,000 to 3,000 lbs. to the acre, after plowing and before the final harrowing. Lawn Grass thrives luxuriantly when fed with Sheep Manure. Use 100 lbs. per 1,000 sq. ft. Scatter broadcast over the old lawn or rake thoroughly into the top soil a day or two before seeding a new one. In potting soil, for greenhouse plant-culture, one part Sheep Manure to six parts soil is the usual proportion. For liquid manure, use one pound of Sheep Manure to five gallons of water. In carnation, chrysanthemum or rose houses it is often used for a light top-dressing. 5 lbs. 50 cts.; 10 lbs. 90 cts.; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$19; ton \$65.

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General List of Fertilizers and Soil-Builders

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Acid or Rock Phosphate. (16 per cent available Phosphoric Acid.) Adds phosphoric acid and a small quantity of lime. Apply from 750 to 1,500 lbs. to an acre of plowed land or it may be used as a top-dressing for lawns, golf fairways, etc. 100 lbs. \$2.50; 500 lbs. \$11; ton \$38.

Adco. For making artificial manure. This manure is made by stacking straw, leaves and other vegetable waste, layer by layer, mixing it with Adco, and keeping it wet until well rotted. A 25-lb. bag is enough for about twelve wheel-barrow loads of garden waste, making about $\frac{1}{2}$ ton of manure. 25-lb. bag \$2.25; 100-lb. bag \$8.25; 150-lb. bag \$10.50.

Aluminum Sulphate. Used to acidify soil in beds of rhododendrons and other sour-soil plants. A liberal sprinkling can be scattered by hand several times a year. 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$7.50.

Ashes, Canada Hardwood. These ashes contain potash and lime, which are essential, not only as plant-food, but also as sweeteners of the soil. One of the best fertilizers for top-dressing lawns and grass-lands, imparting a rich, dark shade of green, destroying many insects and weeds, particularly moss. Use 1,500 lbs. to the acre or 100 lbs. to 1,500 sq. ft. Also good for fruit. 25 lbs. \$1; 50 lbs. \$1.50; 100-lb. bag \$2.75; bbl. (about 200 lbs.) \$5; ton \$45.

Clay's Fertilizer. Splendid for flowers, vegetables, and fruit. For exhibition growing. Rake into the soil around the plants at the rate of $\frac{1}{2}$ lb. to 20 sq. ft. 7 lbs. \$1.50; 14 lbs. \$2.25; 28 lbs. \$4; 56 lbs. \$7; 112 lbs. \$12.

Compost or Spent Mushroom Soil. Stable manure and fine loam, which together have produced a crop of mushrooms and are partly rotted. Excellent for mulching or top-dressing roses, evergreens, and fruit trees. For lawns, use 400 lbs. per 1,000 sq. ft., broadcast evenly and rake well into the soil. 100 lbs. \$2; 1,000 lbs. \$15; ton \$25.

Dahlia Food, Springfield. A chemically compounded fertilizer containing those elements necessary to produce exhibition Dahlias. 10 lbs. \$1.25; 25 lbs. \$2.50; 100-lb. bag \$7.50.

Floranid (Urea). This contains 46 per cent of available nitrogen. A quick-acting stimulant for lawns, vegetables, fruits, and flowers. Clean and odorless. Use 1 lb. to 75 sq. ft. in the garden, 1 lb. to 300 sq. ft. of lawn; in the latter case it must be mixed with four times its bulk of soil. To use in liquid form, dissolve 1 teaspoonful to a gal. of water. Lb. 50 cts.; 5 lbs. \$2; 10 lbs. \$3; 25 lbs. \$5.

Humus. Furnishes but little plant-food; highly valuable, however, as a soil ingredient, improving its texture and increasing its water-holding properties. Humus lightens clay soils and increases their drainage, conversely it binds together sandy soils and helps them retain moisture. Also largely used mixed with soil for potting soil and for seed-flats. 100 lbs. will cover 80 sq. ft. 1 in. deep. Apply, as a lawn top-dressing, 400 to 800 lbs. to every 1,000 sq. ft.; 8 to 15 tons per acre. 50 lbs. \$1.50; 100 lbs. \$2.50; 500 lbs. \$10; ton \$35.

Leaf-Mold. Used in preparing beds for rhododendrons, woodland plants, etc. 100 lbs. \$3; 500 lbs. \$12.50; ton \$40.

Lime, Hydrated Agricultural. Corrects acid conditions of the soil, and at the same time liberates other foods in the soil. Binds loose soils and opens heavy land. It is very quick-acting but will not burn if scattered evenly when lawn is dormant. As an early spring or late fall dressing for lawns, broadcast 1 ton to the acre or 50 lbs. per 1,000 sq. ft. 10 lbs. 35 cts.; 25 lbs. 75 cts.; 50 lbs. \$1.25; 100 lbs. \$2; 500 lbs. \$8.50; ton \$25.

Lōma. Beautifies lawns and gardens. To build up a lawn you can be proud of, use Lōma, the scientific plant-food. Lōma is rich in potash, phosphate, and nitrates—just the food-elements your lawn or garden needs. Lōma promotes deep root-growth—makes the grass so sturdy it won't burn out quickly in the summer sun, so thick that it actually crowds out the weeds. Lōma is odorless, clean—many times more powerful than barnyard manures. Just sow it over the lawn like grass seed. Then wet it down. 5 lbs. fertilizes a 10 x 10 ft. plot, or 50 lbs. for 1,000 sq. ft. 5 lbs. 60 cts.; 10 lbs. \$1; 25 lbs. \$2; 50 lbs. \$3.50; 100 lbs. \$6.

Mapes Corn Manure. Analysis: Ammonia, 3 to 3.50%; total Phosphoric Acid, 10 to 12%; available Phosphoric Acid, 8 to 10%; Soluble Potash, actual, 3 to 4%. For sweet corn, fodder corn, Hungarian grass, millet, late turnips, late cabbage, and seedling to grass. On heavy or average good land, use 200 or 400 lbs. per acre; on light lands, use broadcast 600 lbs. per acre. 100-lb. bag \$3.75; ton \$60.

Mapes General Crop Manure. Analysis: Ammonia 2%; available Phosphoric Acid, 8%. An excellent fertilizer for general use in the vegetable-garden. It will be found a good substitute for stable manure but is cleaner and easier to handle. On good soil, 100 lbs. will fertilize 2,500 sq. ft. 100-lb. bag \$3; ton \$50.

Mapes Potato Manure. Analysis: Ammonia, 4.50 to 5%; total Phosphoric Acid, 8 to 10%; available Phosphoric Acid, 7 to 9%; Soluble Potash, actual, 5 to 6%. For potatoes, sweet potatoes, asparagus, sweet corn, sugar beets, strawberries, and all small fruits. Use in hills or rows, mixing with soil thoroughly, at the rate of 800 lbs. per acre on ordinary land. 100-lb. bag \$4.50; ton \$70.

Muriate of Potash. (About 50% K_2O .) The essential element for the proper development of all root crops. Use 350 to 750 lbs. per acre. One part muriate with four parts bone-meal makes a most satisfactory top-dressing for dahlias. Use a handful to the plant. Apply in late July or early August working in thoroughly but avoiding contact with the plant. 5 lbs. \$1; 10 lbs. \$1.75; 25 lbs. \$2.50; 100 lbs. \$7.

Nitrate of Soda. A plant stimulant. Adds nitrogen in a form which is immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Use it sparingly and with great care; not more than 1 lb. to 100 sq. ft., or 500 lbs. to the acre, raked or harrowed in. For lawns, use 5 lbs. per 1,000 sq. ft., but first mix with four times its bulk of fine soil or sand. As a liquid fertilizer 1 oz. may be dissolved in 1 gal. of water. 5 lbs. 60 cts.; 10 lbs. \$1; 25 lbs. \$2; 50 lbs. \$3.50; 100 lbs. \$6; 500 lbs. \$25; ton \$80.

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Nitrophoska. A very well-balanced, quick-acting food for every purpose in the garden, on lawns, flowers, shrubs, and vegetables. Contains: Nitrogen, 15%; Phosphoric Acid, 30%; Potash, 15%. For the garden or flowers, use 5 to 10 lbs. for each 1,000 sq. ft. of soil, thoroughly raking into the soil after broadcasting over the surface. For lawns, apply 6 to 10 lbs. per 1,000 sq. ft. in early spring and follow with subsequent applications every two months. Hose your lawn thoroughly after each application which will assure vigorous growth and a luxuriant lawn. Lb. 50 cts.; 5 lbs. \$2; 10 lbs. \$3; 25 lbs. \$5.

Peat Moss, Granulated. A vegetable product which remains in the soil for many years without decaying; in the meanwhile it absorbs moisture and holds it for the plants. Used extensively for mixing in soil for pot plants and is an excellent medium in which to grow bulbs. Mixed with soil it is ideal for making a lawn, a flower- or vegetable-garden. It is also used for mulching perennial and rosebeds as well as around evergreens. Many use Peat Moss for packing and storing bulbs, such as cannas, dahlias, etc. Small bale (about 12 lbs.), enough to cover 16 sq. ft. 1 in. deep, \$1.50; large bales (13 cu. ft.; about 190 lbs.), enough to cover 300 sq. ft. 1 in. deep, \$4.50. In lots of 5 large bales, \$4 each. In lots of 10 large bales, \$3.50 each.

Potting Soil. A fine mixture of loam, leaf-mold, and sand. Suitable for house plants, ferns, etc.; excellent for growing bulbs. Qt. 10 cts.; pk. 65 cts.; bus. \$2.25.

Poultry Manure, Pulverized. A fine fertilizer for garden crops. As it is rich in nitrogen and potash and quite strong, it must be very thoroughly mixed with the soil, avoiding contact with the roots. Use from 6 to 10 lbs. per 100 sq. ft. 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50; 500 lbs. \$17.

Rose-Food, Springfield. An organic fertilizer, containing the vital elements of plant-life in scientifically correct proportions to make it an ideal food for roses. Will keep bushes in splendid condition and produce abundant blooms. 10 lbs. \$1.25; 25 lbs. \$2.50; 100 lbs. \$7.50.

Salt, Agricultural. Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 50 lbs. \$1.50; 100 lbs. \$2.25; 500 lbs. \$10; ton \$35.

Soot, Scotch. Effective in discouraging grubs, slugs, cutworms and other soil-pests. Can be dusted around the plants and on the lawn at any time. 50 lbs. \$4; 100 lbs. \$7.

Sulphate of Ammonia. A nitrogenous plant-stimulant, very quick in action, tending to make soil acid. Increases leaf-growth. Much used on lawns as a stimulant and to discourage weed-growth. When top-dressing lawns apply 1 lb. to every 150 sq. ft. or 300 lbs. to the acre, but first mix with several times its bulk of soil or sand. Between rows of spinach, lettuce, cabbage, etc., scatter 3 lbs. to 100 running feet and hoe it in. As a liquid stimulant dissolve 1 oz. in a gal. of water and apply to the roots avoiding contact with the plants. 5 lbs. 75 cts.; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$3.50; 100 lbs. \$6; 500 lbs. \$25.

Vigoro. A superior combination of plant-foods that meets nature's most exacting requirements. When Vigoro is used, no supplementary substances are required. If applied to plants grown on benches or in pots, it should be worked into the soil and the plants then watered. For top-dressing the lawn in spring, use 40 lbs. for every 1,000 sq. ft. 5 lbs. 65 cts.; 25 lbs. \$2; 50 lbs. \$3.25; 100 lbs. \$5.75.

Seed Inoculator

Stimugerm

Nitrogen-Fixing Bacteria for all Leguminous Plants

Small Garden Unit. A composite culture of the bacteria essential for the growth of Peas, Beans, and Sweet Peas. Unit 25 cts., postpaid 35 cts.

Clover Units. Culture of bacteria necessary for the growth of Alfalfa and all Clovers. Sufficient to treat $\frac{1}{4}$ bus. of seed 35 cts.; $\frac{1}{2}$ -bus. size 60 cts.; bus. size \$1; $2\frac{1}{2}$ -bus. size \$2.25. When ordering, state the clover for which required.

Large Seed Units. Culture of bacteria for Garden Peas, Beans, Sweet Peas, Peanuts, Vetches, and Field Peas. $\frac{1}{2}$ -bus. size 35 cts.; bus. size 60 cts.; 5-bus. size \$2.25. When ordering, state the crop for which required.

House Plant-Foods

Plantabbs. Odorless plant-food tablets made especially to keep your ferns, geraniums, cyclamen, begonias, rubber plants, and other potted plants healthy and growing while inside during the winter. While particularly adapted to feeding indoor plants, being without odor, they will benefit outdoor garden flowers, bulbs, vines, and garden vegetables. They are perfectly safe to use. Box of 30 tablets 25 cts.; 75 tablets 50 cts.; 200 tablets \$1; 1,000 tablets \$3.50.

Superior Plant-Food. Feed your plants new life and beauty with Superior Plant-Food, universal in its year-round use. Use it on potted ferns or plants, roses, hardy shrubs, trees and lawn. Just dissolve a teaspoonful in the watering-pot every time you sprinkle. Clean and odorless. 3-oz. can 25 cts.; 7-oz. can 50 cts.; 16-oz. can \$1.

Watch-em-Grow. A highly concentrated, odorless fertilizer for house plants. May be used in the natural powdered form or can be dissolved in water at the rate of one teaspoonful to each gallon of water. Apply once or twice a week until vigorous growth is promoted and throughout the blooming period. Guaranteed Analysis: Ammonia, soluble in water, 19%; available Phosphoric Acid, 10%; Potash, soluble in water, 14%. This is an ideal balance for quick plant-food. A trial will soon show amazing improvement in your house ferns and other pot plants. Large 8-oz. can, 50 cts.

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